

An annotated checklist of the planthoppers of Iran (Hemiptera, Auchenorrhyncha, Fulgoromorpha) with distribution data

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Academic editor: M. Webb | Received 25 July 2011 | Accepted 19 October 2011 | Published 4 November 2011

Citation: Mozaffarian F, Wilson MR (2011) An annotated checklist of the planthoppers of Iran (Hemiptera, Auchenorrhyncha, Fulgoromorpha) with distribution data. ZooKeys 145: 1–57. doi: 10.3897/zookeys.145.1846

Abstract

A list of Hemiptera Fulgoromorpha (planthoppers) of Iran is provided, based primarily on literature records from 1902 to the present. In total 15 families and 235 species are recorded, with taxonomic details. Distribution data in Iran are given. *Iranissus ephedrinus* Dlabola, 1980 is transferred from Issidae to Nogodinidae. To resolve nomenclatural difficulty the following new combinations in Issidae are given: *Iranodus dumetorus* (Dlabola, 1981), *Iranodus khatunus* (Dlabola, 1981) and *Iranodus repandus* (Dlabola, 1981). Due to published generic synonymy the following are new combinations: *Duilius seticulosus* (Lethierry, 1874), *D. tamaricis* (Puton & Lethierry, 1887), *D. tamaricicola* (Dubovsky, 1966) and *D. v-atrum* (Dlabola, 1985).

Keywords

Hemiptera, Auchenorrhyncha, Fulgoromorpha, annotated checklist, Iran

Introduction

The infraorder Fulgoromorpha, also known as planthoppers, belong to the suborder Auchenorrhyncha of the order Hemiptera. Planthoppers are phytophagous and feed from the sap of a wide range of plants and in many habitats. They may occur in relatively large numbers in some habitats and under certain conditions.

The wide-ranging history of entomology in Iran has been well-documented by chapters in Abivardi (2001). The earliest available records of Fulgoromorpha in Iran were by Melichar (1902a, b) who described some species from Iran. Afshar (1937) was the first Iranian entomologist who recorded *Ommatissus binotatus lybicus* (Tropiduchidae) in the list of agricultural pests for the country. Subsequent taxonomic studies in the Persian literature mainly focused on the insect pests in both agricultural and forest ecosystems (Gharib 1966, 1998; Kheyri 1989; Ahmadi et al. 1986; Karimzadeh Esfahani et al. 1998 etc). Field expeditions were made to various parts of Iran during the 1970s by Czech entomologists, including Jiri Dlabola, along with entomologists from the Iranian Research Institute of Plant Protection. This resulted in a number of new discoveries of Iranian planthoppers, which were compiled in publications such as Dlabola (1974a, b, 1977a, b, 1980a, 1981, 1982a, b, 1983a, b, 1985 etc). Dlabola is responsible for the description of almost 50% of the currently known planthopper fauna of Iran.

Fifteen planthopper (Fulgoromorpha) families have been recorded from Iran to date. Table 1 gives details of the numbers of species in each family and the number (and percentage) known only from Iran at present. Large numbers of species have been recorded in the Cixiidae, the Delphacidae, the Flatidae and the Issidae. The fauna is characterized by high endemism in groups such as Issidae, which are flightless and have relatively limited dispersal and a narrow distribution. However, the planthopper fauna may also well be under-recorded, for instance around 100 species of Delphacidae are known from Greece (e.g. Drosopoulos et al. 1983) but only 34 so far recorded in Iran. Dlabola (1981) refers to the biotic zones in which species are found.

In the current study a list of Fulgoromorpha species recorded from Iran has been compiled, which is based on literature records and the addition of some new taxonomic data. Much basic taxonomic work is needed in the region and it is hoped that this checklist will facilitate further studies on Fulgoromorpha of Iran. To resolve nomenclatural difficulty the following new combinations in Issidae are given: *Iranodus dumetorus* (Dlabola, 1981), *Iranodus khatunus* (Dlabola, 1981) and *Iranodus repandus* (Dlabola, 1981). Due to published generic synonymy the following are new combinations: *Duilius seticulosus* (Lethierry, 1874), *D. tamaricis* (Puton & Lethierry, 1887), *D. tamaricicola* (Dubovsky, 1966) *D. v-atrum* (Dlabola, 1985).

Economic importance of planthoppers in Iran

Planthoppers are of high economic importance mainly because they reduce crop yield through feeding and oviposition and they can transfer phytoplasmas and viruses to a wide range of plants. The planthoppers of economic importance in the United States have been reviewed by Wilson and O'Brien (1987) who recorded 150 species of planthoppers from 99 economic plants. At least 8 species in that list have been also recorded from Iran, on agricultural products such as date palm, potato, tomato, wheat, corn, rice (Gharib 1966, 1998; Haghshenas and Khajehali 2000; Khajehali et al. 2001;

Table 1. Numbers of species in each Fulgoromorpha family

Families	No. of species	No. species/ % endemic
Caliscelidae	14	7 (50)
Cixiidae	51	19 (36)
Delphacidae	34	4 (11)
Derbidae	4	3 (75)
Dictyopharidae	19	10 (52)
Flatidae	30	19 (63)
Fulgoridae	3	0 (0)
Issidae	45	38 (84)
Kinnaridae	4	3 (75)
Lophopidae	1	0
Meenoplidae	3	1 (33)
Nogodinidae	5	5 (100)
Ricaniidae	3	1 (33)
Tettigometridae	14	1 (25)
Tropiduchidae	5	3 (60)
Totals	235	114 (48%)

Nematollahi and Khajehali 2000). A further nine species have also been recorded in Iran by Abaii (2000) as pests of forest trees.

Annotated species checklist

The following list is intended as an annotated checklist and not a catalogue. Emphasis is given to citations where Iran is recorded. Synonyms added after the current scientific name contain the original name, next the current name followed by its authority and next those synonyms which have been used for records from Iran. Selected taxonomic papers are cited where needed for clarity. Taxa are given in alphabetical order. Where species have only been found in Iran no further details of a wider distribution are given. Species listed in references, where no further information is given beyond the name, are cited as 'listed'. Locality records are listed for each species. Furthermore a list of locality names including latitude, longitude, codes for the localities and a distribution map are also provided. The codes consist of two parts: an alphabetical one for the name of provinces and a numerical one for the locality (Figs 1, 2).

The extralimital distribution in the Palaearctic region was determined using various publications, including: Asche (1982), Asche and Wilson (1989), Demir and Demirsoy (2009), Demir (2007), Demir (2008), Dlabola (1965b, c, 1972, 1974b, 1977c, 1979d, 1980b, c, 1994), Dlabola and Jankovic (1981), Gnezdilov (2002), Gnezdilov and Wilson (2006), Holzinger et al. (2003), Holzinger (2007), Nast (1972), Novikov et al. (2006), Vilbaste (1980) and Wilson (2010a, b). The United Nations geoscheme was used for recording extralimital distributions in other regions and subregions of the world.

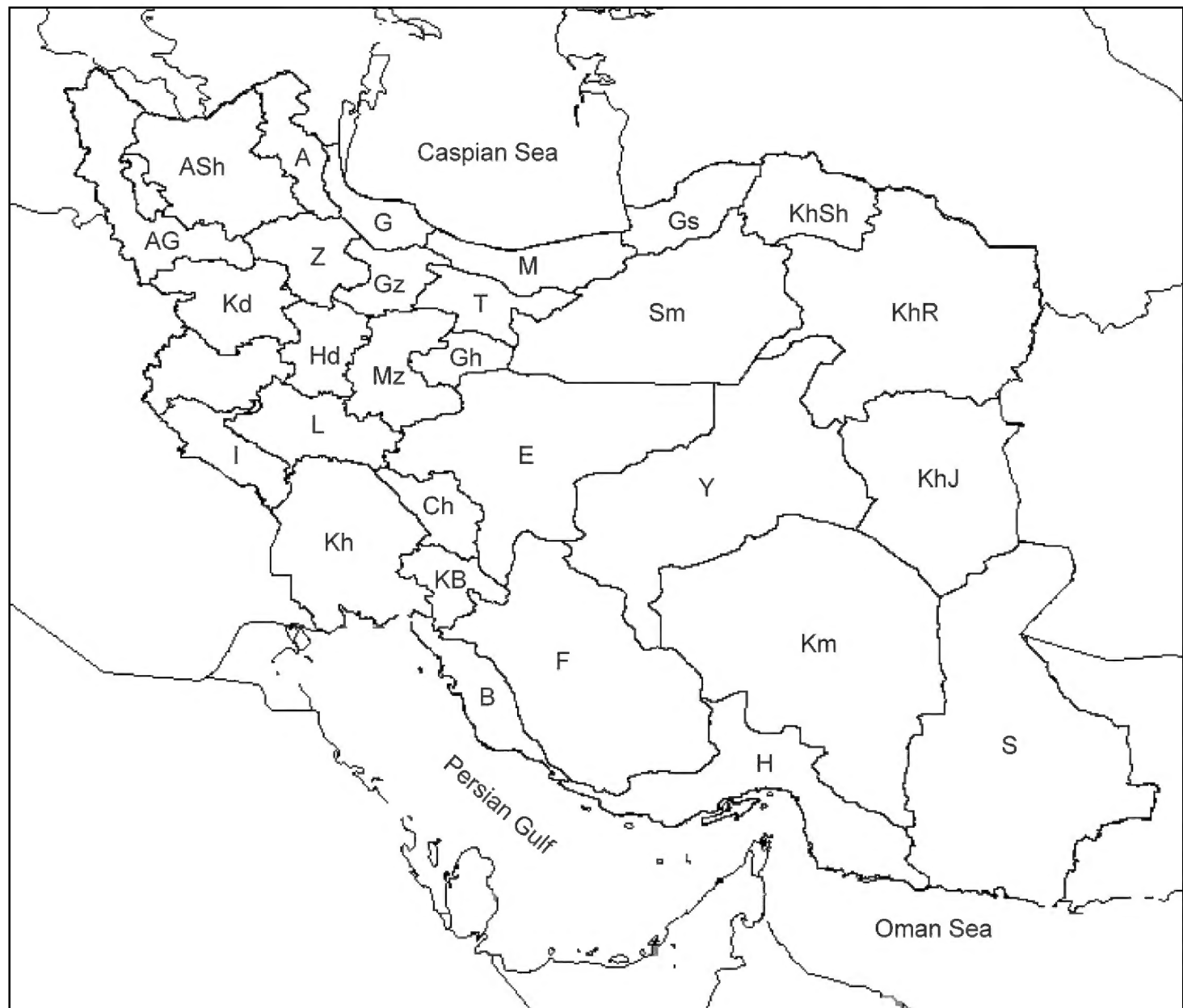


Figure 1. Location of the provinces of Iran (See list of the provinces for codes) **A** Ardabil **AG** Āzarbāiejan-e Gharbi **ASh** Āzarbāiejan-e Sharghi **B** Bushehr **Ch** Chahārmahāl–Bakhtiāri **E** Esfahān **F** Fārs **G** Gilān **Gh** Ghom **Gs** Golestān **Gz** Ghazvin **H** Hormozgān **Hd** Hamadān **I** Ilām **KB** Kohgi-luyeh–Boyerahmad **Kd** Kordestān **Kh** Khuzestān **KhJ** Khorāsān-e Jonubi **KhR** Khorāsān-e Razavi **KhSh** Khorāsān-e Shomāli **Km** Kermān **L** Lorestān **M** Māzandarān **Mz** Markazi **S** Sistān–Baluchestān **Sm** Semnān **T** Tehrān **Y** Yazd **Z** Zanjān.

Family Caliscelidae

The following species were recorded in the family Issidae, subfamily Caliscelinae in early reports from Iran. This subfamily has however, been more recently given full family status (Tishechkin 1998; Emeljanov 1999; Gnezdilov 2003).

Adenissus baluchestanicus Dlabola, 1980

Adenissus baluchestanicus Dlabola, 1980b: 184; Gnezdilov and Wilson (2006) [listed].

Iran localities: Tang-e Sarheh.

Adenissus isinus Dlabola, 1980

Adenissus isinus Dlabola, 1980b: 185; Gnezdilov and Wilson (2006) [listed].

Iran localities: Isin.

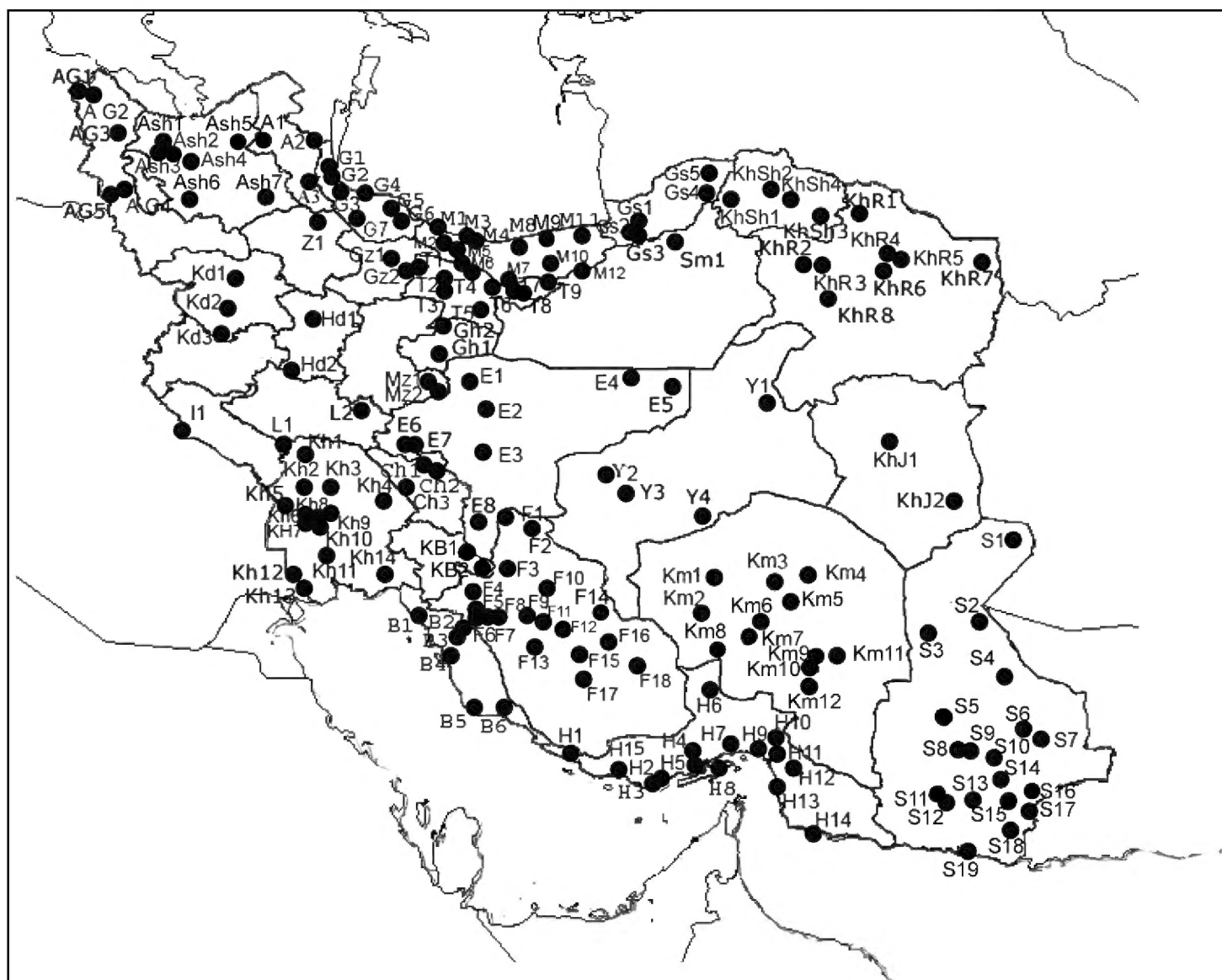


Figure 2. Locality map of Fulgoromorpha recorded from Iran (See List of localities for codes)

Adenissus zabolicus Dlabola, 1980

Adenissus zabolicus Dlabola, 1980b: 181; Gnezdilov and Wilson (2006) [listed].

Iran localities: Nehbandān.

Adenissus zabedanicus Dlabola, 1980

Adenissus zahedanicus Dlabola, 1980b: 182; Gnezdilov and Wilson (2006) [listed].

Iran localities: Zāhedān.

Aphelonema brunneolutea Dlabola 1994

Aphelonema brunneolutea Dlabola 1994: 57

Iran localities: Ziārān.

Abomocnemia chivensis (Kusnezov, 1929)

Caliscelis chivensis Kusnezov, 1929: 330

Abomocnemia chivensis; Dlabola (1982a).

Iran localities: Jiroft.

Extralimital distribution: Central Asia.

Aphelonema registanica* (Dlabola, 1961)Peltonotellus registanicus* Dlabola, 1961a: 262*Aphelonema registanica*; Dlabola (1981).

Iran localities: Kandovān (Māzandarān), Saādatshahr, Tochāl Mountain.

Extralimital distribution: Central Asia.

Chirodisca astyages* (Dlabola, 1982)Caliscelis astyages* Dlabola, 1982a: 114; Mirzayans (1995).*Caliscelis dimidiata* not Costa, 1863; Dlabola (1981) mis-identification.*Chirodisca astyages*; comb. n. in Emeljanov (1996a).

Iran localities: Ahvāz, Bishāpur, Borāzjān, Dārbahāre, Fasā, Ferdows-e Esfandaghe, Rafsanjān, Shirāz, Sufiān, Zeidān.

Extralimital distribution: Western Asia.

Ommatidiotus dissimilis* (Fallén, 1806)Issus dissimilis* Fallén, 1806: 123*Ommatidiotus falléni* Stål 1863: 251; Melichar (1902a); syn. by Dlabola (1987).*Ommatidiotus (sic) dissimilis* (Fallén, 1806); Dlabola (1981).

Iran localities: Anārak- Temin, Dasht.

Extralimital distribution: Europe, Turkey, Central and Northern Asia.

Ommatidiotus iranicus* Horváth, 1905Ommatidiotus iranicus* Horváth, 1905: 380; Nast (1972) [listed].

Iran localities: Unknown locality.

Extralimital distribution: Turkey (Demir 2008).

Perissana bispinata* (Dlabola, 1980)Anissus bispinatus* Dlabola 1980b: 179*Perissana bispinata*; Gnezdilov and Wilson (2006).

Iran localities: Kāzerun, Kushk, Masiri, Saādatshahr.

Extralimital distribution: Iraq (Gnezdilov and Wilson 2006).

Perissana dlabolai* Gnezdilov & Wilson, 2006Adenissus circularis* Dlabola, 1980b: 186 (Preoccupied).*Perissana dlabolai* Gnezdilov & Wilson, 2006: 15 (Replacement name for *A. circularis*).

Iran localities: Bānuchārehar, Bazmān, Dehbakri, Doborji, Estahbān, Fasā, Miānjāngal.

Perissana jakowleffi* (Puton, 1890)Issus jakowleffi* Puton, 1890: 233 Nast (1972) [listed].*Perissana jakowleffi*; Gnezdilov and Wilson (2006).

Iran localities: Shāhrud.

Extralimital distribution: Azerbaijan.

Reinhardema pasagarda* (Dlabola, 1982)Homocnemia pasagarda* Dlabola, 1982a: 116*Reinhardema pasagarda*; Gnezdilov (2010a).

Iran localities: Shul.

Family Cixiidae

List of subfamilies, genera, and subgenera is according to Holzinger et al. (2002).

Subfamily Cixiinae**Tribe Duilini**

New combinations given are due to generic synonymy given by Holzinger et al. (2002).

Duilius fasciata* (Horváth, 1894), comb. n.Hemitropis fasciata* Horváth, 1894: 183*Bitropis fasciata*; Dlabola (1985).

Iran localities: Ghāsemābād, Kermānshāh (Yazd province), Nikshahr.

Extralimital distribution: Transcaucasus, Turkey, Afghanistan, central Asia.

Duilius seticulosus* (Lethierry, 1874), comb. n.Haplacha seticulosa* Lethierry, 1874: 444*Hemitropis seticulosus*; Barkhordari et al. (1981) [listed].

Iran localities: Unknown locality.

Extralimital distribution: Saudi Arabia (Dlabola 1979d).

Duilius tamaricis* (Puton & Lethierry, 1887), comb. n.Haplacha tamaricis* Puton & Lethierry, 1887: 309*Hemitropis tamaricis*; Dlabola (1981).

Iran localities: Marand, Robāt-e Tork.

Extralimital distribution: Turkey, Central Asia.

Duilius tamaricicola* (Dubovsky, 1966), comb. n.Hemitropis tamaricicola* Dubovsky, 1966: 35; Dlabola (1985).

Iran localities: Borāzjān, Dārbahāre, Ghāsemābād, Kahkom Kahurak, Kermānshāh (Yazd province), Shushtar.

Extralimital distribution: Uzbekistan.

Duilius v-atrum* (Dlabola, 1985), comb. n.Hemitropis v-atrum* Dlabola, 1985: 124; Mirzayans (1995).

Iran localities: Ahram, Bāghak, Bāhukalāt, Bilāi, Geno, Ghāsemābād, Kahkom, Kahnuj, Komehr, Miānjangal, Nikshahr, Tis, Zeidān.

Tribe Cixiini

***Cixius (Ceratocixius) adornatus iranicus* Dlabola, 1979**

Cixius (Ceratocixius) adornatus iranicus Dlabola, 1979b: 233; Mirzayans (1995).

Iran localities: Hashtpar, Khalkhāl, Nāhārkhōrān, Rezvāndeh, Sheikh-e Mahalleh, Zirāb.

***Cixius (Ceratocixius) cunicularius* (Linnaeus, 1767)**

Cicada cunicularius Linnaeus, 1767: 711

Cixius cunicularius; Mirzayans (1995).

Iran localities: Parehsar.

Extralimital distribution: North Africa, Europe, Central Asia, Northern and Eastern Asia.

***Cixius (Ceratocixius) pallipes* Fieber, 1876**

Cixius (Ceratocixius) pallipes Fieber, 1876: 191; Dlabola (1981), Mirzayans (1995).

Iran localities: Bandar Anzali, Bidruyeh, Dasht, Ghom, Hafttappeh, Hashtpar, Isin, Karaj, Evin, Lāhijān, Mollāsāni, Parehsar, Rek, Sanandaj.

Extralimital distribution: Southern, Western and Eastern Europe, North parts of Western Asia, Afghanistan.

Comments (M. Asche pers comm.): The occurrence of *pallipes* in Middle East is questionable. The true *pallipes* (described from Italy) is apparently geographically confined to the Central and West Mediterranean. In the East Mediterranean and Middle East there occurs a species described by China (1942) as *Cixius (Ceratocixius) wagneri*. This means that all geographical records of both species need confirmation.

***Cixius persicus* Distant, 1907**

Cixius persicus Distant, 1907: 284; Nast (1972) [listed], Dlabola (1981) [listed].

Cixius longipennis Melichar, 1902a: 86 (primary homonym); Melichar (1902a).

Iran localities: Nehbandān.

***Cixius (Ceratocixius) rufus* Logvinenko, 1969**

Cixius (Ceratocixius) rufus Logvinenko, 1969: 53; Dlabola (1985).

Iran localities: Asālem, Behshahr, Nāhārkhōrān, Sabzevār.

Extralimital distribution: 'S. Russia' (Nast, 1972).

***Cixius (Ceratocixius) simplex* (Herrich-Schäffer, 1835)**

Flata simplex Herrich-Schäffer, 1835: 64

Cixius (Ceratocixius) simplex; Dlabola (1985).

Iran localities: Pol-e Tang.

Extralimital distribution: North Africa, Europe.

***Cixius (Acanthocixius) stigmaticus* (Germar, 1818)**

Flata stigmaticus Germar, 1818: 199

Cixius (Sciocixius) stigmaticus; Dlabola (1985).

Iran localities: Kandovān (Māzandarān).

Extralimital distribution: Southern, Western and Eastern Europe.

***Tachycixius desertorum* (Fieber, 1876)**

Cixius desertorum Fieber, 1876: 182; Dlabola (1981, 1985).

Tachycixius desertorum; comb. n. in Wagner (1939).

Iran localities: Sufiān, Eslāmābād, Ziārān.

Extralimital distribution: Southern and Eastern Europe, Turkey, Israel, Central Asia

Comments: (M. Asche pers comm.). The records of *T. desertorum* from Iran need confirmation. This species is part of a group of apparently closely related species.

Tribe Oecleini

***Myndus genocolus* Dlabola, 1985**

Myndus genocolus Dlabola, 1985: 97; Mirzayans (1995).

Iran localities: Bandar Khamir, Bandar Lengeh, Geno, Isin, Kangān.

***Myndus musivus* (Germar, 1825)**

Flata musivus Germar, 1825: 21; Dlabola (1981), Mirzayans (1995).

Iran localities: Orumieh, Orumieh lake.

Extralimital distribution: Europe, Central Asia.

***Myndus sarbazus* Dlabola, 1989**

Myndus sarbazus Dlabola, 1989: 33

Iran localities: Sarbāz.

Tribe Pentastirini

***Anoculiarus ornatus* Dlabola, 1985**

Anoculiarus ornatus Dlabola, 1985: 123

Iran localities: Bānuchārehar.

***Eumecurus apunctatus* Dlabola, 1985**

Eumecurus apunctatus Dlabola, 1985: 107

Iran localities: Bānuchārehar, Jiroft, Zāboli.

***Eumecurus baluchestanicus* Dlabola, 1985**

Eumecurus baluchestanicus Dlabola, 1985: 110

Iran localities: Masiri.

***Eumecurus (Pseumecurus) frontalis* (Melichar, 1904)**

Oliarus frontalis Melichar, 1904: 31

Eumecurus (Pseumecurus) frontalis; comb. n. in Dlabola (1985).

Iran localities: Isin.

Extralimital distribution: Northern Africa.

***Eumecurus kabulus* (Dlabola, 1957)**

Oliarus kabulus Dlabola, 1957a: 267

Eumecurus kabulus; comb. n. in Dlabola (1985).

Iran localities: Geno.

Extralimital distribution: Afghanistan.

***Eumecurus octopus* Dlabola, 1985**

Eumecurus octopus Dlabola, 1985: 106

Iran localities: Tang-e Sarheh.

***Eumecurus superstylus* Dlabola, 1985**

Eumecurus superstylus Dlabola, 1985: 108

Iran localities: Jiroft.

***Eumecurus transpunctatus* Dlabola, 1985**

Eumecurus transpunctatus Dlabola, 1985: 103

Iran localities: Sarbāz, Sekand.

***Eumecurus vilbastei* Dlabola, 1985**

Eumecurus vilbastei Dlabola, 1985: 109

Iran localities: Isin.

***Hyalesthes luteipes* Fieber, 1876**

Hyalesthes luteipes Fieber, 1876: 197; Dlabola (1981, 1994), Mirzayans (1995)

Iran localities: Āb Āsk, Evin, Sirik, Tochāl Mountain.

Extralimital distribution: North Africa, Southern, Western and Eastern Europe, Turkey, Israel, Central Asia.

***Hyalesthes mlokosiewiczi* Signoret, 1879**

Hyalesthes mlokosiewiczi Signoret, 1879: 116; Farahbakhsh (1961) [listed], Nast (1972) [listed], Dlabola (1981), Hoch and Remane (1985) [listed], Behdad (1988), Mirzayans (1995), Emeljanov (1996b), Abaii (2000).

Iran localities: Āb Āsk, Āmol, Bidhend, Eskandari, Evin, Firuzkuh, Ghezel-Bolāgh, Gorgān, Karaj, Khorramābād, Malārd, Marāgheh, Marand, Robāt-e Tork, Rudbārak, Shāhrud, Shirāz, Tabriz, Tochāl Mountain, Varāmin.

Extralimital distribution: Ukraine, Transcaucasia, Turkey, Central Asia.

***Hyalesthes obsoletus* Signoret, 1865**

Hyalesthes obsoletus Signoret, 1865: 128; Dlabola (1971a, 1972 [listed], 1981, 1994), Behdad (1988), Kheyri (1989), Mirzayans (1995), Abaii (2000), Lashkari et al. (2009).

Iran localities: Āb Āsk, Andimeshk, Behshahr, Evin, Firuzkuh, Gorgān, Hafttapp-eh, Karaj, Marand, Paskuh, Rezvāndeh, Sanandaj, Sufiān, Tākestān- Karaj Rd, Tochāl Mountain, Yāsuj, Ziārān.

Extralimital distribution: North Africa, Southern, Western and Eastern Europe, Northern parts of Western Asia, Afghanistan and Central Asia.

***Hyalesthes philesakis* Hoch 1986**

Hyalesthes philesakis Hoch 1986: 95; Dlabola (1994)

Iran localities: Masiri.

Extralimital distribution : Moldova, Ukraine, Turkey.

***Hyalesthes restultus* Dlabola, 1994**

Hyalesthes restultus Dlabola, 1994: 44

Iran localities: Komehr.

***Hyalesthes scotti* Ferrari, 1882**

Hyalesthes scotti Ferrari, 1882: 82; Dlabola (1994).

Hyalesthes luteipes Fieber. var. *scotti* Ferrari; (Linnavuori, 1962a).

Iran localities: Dasht, Gazanak, Sufiān, Tochāl Mountain.

Extralimital distribution: Western and central Mediterranean region, perhaps also in southern parts of central Europe. (Holzinger et al. 2003).

***Hyalesthes zabolicus* Dlabola, 1985**

Hyalesthes zabolicus Dlabola, 1985: 121; Hoch and Remane 1985 [listed].

Iran localities: Zāboli.

***Oliarellus fulvus* (Kusnezov, 1935)**

Hyalesthes fulvus Kusnezov, 1935: 213

Oliarus fulvus (Kusnezov 1935); Nast (1972) [listed], Lashkari et al. (2009).

Pseudoliarus circularis Dlabola, 1981: Dlabola (1981).

Oliarellus fulvus; Dlabola (1985) [listed].

Iran localities: Estahbān, Ghazvin, Golestān province, Robāt-e Tork.

Extralimital distribution: Central Asia.

***Oliarus convergens* Melichar, 1902**

Oliarus convergens Melichar, 1902a: 87; Dlabola (1981) [listed].

Iran localities: Kermān province.

Comment: the status of this species is unclear.

***Oliarus nigrofurcatus* Signoret, 1884**

Oliarus nigrofurcatus Signoret 1884: 71; Melichar (1902a), Farahbakhsh (1961) [listed], Nast (1972) [listed], Dlabola (1972) [listed].

Iran localities: Nehbandān.

Extralimital distribution: Transcaucasus, Iraq, Afghanistan and Central Asia.

Comments: The identity of this species is unclear.

***Pentastira bahtiaricus* (Dlabola, 1981)**

Oliarus bahtiaricus Dlabola, 1981: 144;

Pentastira bahtiaricus; comb. n. in Dlabola (1988).

Iran localities: Marg-e-Malek

***Pentastira major* Kirschbaum, 1868**

Pentastira major Kirschbaum, 1868: 44

Oliarus major (Kirschbaum, 1868); Dlabola (1981), Mirzayans (1995).

Pentastira major; (Dlabola, 1988).

Iran localities: Akhlamad, Āmol, Behshahr, Dasht-e Moghān, Divāndareh, Gazanak, Ghāemshahr, Gharechaman, Gorgān, Kahurak, Karaj, Nowshahr, Rāmiān, Sanandaj, Shemirān, Silvāneh, Zāhedān, Zoshk.

Extralimital distribution: Southern and Eastern Europe, North parts of Western Asia.

***Pentastira superspicata* Dlabola, 1985**

Pentastira superspicata Dlabola, 1985: 119

Iran localities: Kāzerun, Masiri.

***Pentastira shul* (Dlabola, 1985)**

Reptalus shul Dlabola, 1985: 115; Dlabola (1985).

Pentastira shul; comb. n. in Dlabola (1988).

Iran localities: Kāzerun, Masiri, Miāneh, Shul, Yāsuj.

***Pentastiridius* (*Pentastiridius*) *leporinus* (Linnaeus, 1761)**

Cicada leporina Linnaeus, 1761: 242

Oliarus leporinus; Dlabola (1971b, 1981).

Flata pallens Germar, 1821; synonymized by Nast (1986).

Oliarus pallens (Germar, 1821); Melichar (1902a), Dlabola (1960a, 1971a, 1972 [listed], 1981), Farahbakhsh (1961) [listed], Nast (1972) [listed].

Reptalus pallens (Germar, 1821); Mirzayan (1995).

Pentastiridius leporinus; Nast (1986), Mirzayans (1995).

Iran localities: Ābādeh, Albāji, Bampur, Bazmān, Birjand, Chābahār, Dālaki, Evin, Gambuyeh, Gāvbandi, Gharechaman, Hafttappeh, Hamidieh, Hāresābād, Hashtpar, Irānshahr, Kandovān (Māzandarān), Marand, Miāneh- Zanjān Rd, Minushahr, Mollāsāni, Shādegān, Shieh, Susangerd, Suza, Tabriz, Varāmin, Zābol.

Extralimital distribution: North Africa, Europe, Northern parts of Western Asia, Afghanistan, Central and Eastern Asia.

***Pseudoliarus fuscofasciatus* (Melichar, 1902)**

Oliarus fuscofasciatus Melichar, 1902a: 88; Nast (1972) [listed], Dlabola (1972 [listed], 1981), Mirzayans (1995).

Pseudoliarus fuscofasciatus; Dlabola 1981.

Iran localities: Ābādeh, Bazmān, Bidrueh, Dālaki, Geno, Ghom, Isin, Jahrom, Jiroft, Mollāsāni, Zābol.

Extralimital distribution: North east Africa, Yemen, Iraq, Transcaucasia.

***Pseudoliarus palestinensis* (Linnavuori, 1962)**

Oliarus fuscofasciatus palestinensis Linnavuori, 1962a: 3

Pseudoliarus palestinensis; Dlabola (1985).

Iran localities: Ahvāz, Jāsk, Kahkom.

Extralimital distribution: Saudi Arabia (Dlabola 1980c), Turkey (Demir 2008).

***Reptalus (Trepalus) cuspidatus* (Fieber, 1876)**

Oliarus cuspidatus Fieber, 1876: 215; Dlabola (1981).

Reptalus (Trepalus) cuspidatus; new subgenus in Emeljanov (1995).

Iran localities: Jahrom.

Extralimital distribution: Southern, Western and Eastern Europe, Turkey, Central Asia.

***Reptalus (Trepalus) rufocarinatus* (Kusnezov, 1937)**

Oliarus quinquecostatus var. *rufocarinatus* Kusnetzov, 1937: 168

Oliarus bitinctus Dlabola, 1961a: 254; Dlabola (1981).

Reptalus bitinctus; Dlabola (1985), Kheyri (1989), Mirzayans (1995).

Oliarus concolor Fieber, 1876; Mirzayans et al. (1976).

Iran localities: Dasht, Esfahān, Gholhak, Ghom- Esfahān Rd, Ghom, Karaj.

Extralimital distribution: North Africa, Southern, Western and Eastern Europe, Turkey, Afghanistan, Central and Eastern Asia.

Comments: *Oliarus concolor* Fieber, 1876 is taxonomically unclear, and apparently often interpreted by various author in various manners without having studied the (type material). Dlabola (1988): 64 lists it as a separate species. Also *Oliarus bitinctus* Dlabola has had a mixed history, synonymized with *rufocarinatus* by Emeljanov (1978), revived as separate species in *Setapius* by Dlabola (1988) and now as a synonym of *rufocarinatus* in *Reptalus (Trepalus)* by Emeljanov (1995).

***Reptalus eremicus* Dlabola, 1985**

Reptalus eremicus Dlabola, 1985: 114; Mirzayans (1995).

Iran localities: Marand, Mashhad, Masiri, Nagsh-e Rostam, Paskuh, Rafsanjān, Robāt-e Tork, Shirāz, Yāsuj.

***Reptalus melanochaetus* (Fieber, 1876)**

Oliarus melanochaetus Fieber, 1876: 198; Dlabola (1981), Behdad (1988), Mirzayans (1995), Abaii (2000).

Reptalus melanochaetus; comb. n. in Emeljanov (1972a).

Iran localities: Bābol- Ghāemshahr, Karaj, Leshtar, Tonekābon.

Extralimital distribution: Southern, Western, and Eastern Europe, Turkey, Central Asia.

***Reptalus quinquecostatus* (Dufour, 1833)**

Cixius quinquecostatus Dufour 1833: 224

Reptalus quinquecostatus; comb. n. in Emeljanov (1972b).

Oliarus quinquecostatus (Dufour 1833); Behdad (1988), Abaii (2000).

Iran localities: Unknown locality (Northern and central provinces).

Extralimital distribution: Southern, Western and Eastern Europe, Turkey, Central and Eastern Asia.

Comment: The identity of this record should be checked since it is part of a complex of several closely related species.

***Reptalus reductus* Dlabola, 1994**

Reptalus reductus Dlabola, 1994: 53; Dlabola (1994).

Iran localities: Bāft.

***Reptalus ziaran* Dlabola, 1985**

Reptalus ziaran Dlabola, 1985: 118

Iran localities: Miāneh, Ziārān.

***Setapius barajus* (Dlabola, 1957)**

Oliarus barajus Dlabola, 1957b: 24; Dlabola (1981), Mirzayans (1995)

Setapius barajus; comb. n. in Dlabola (1988).

Iran localities: Irānshahr, Varāmin.

Extralimital distribution: Transcaucasia, Turkey, Afghanistan.

***Setapius lindbergi* (Dlabola, 1957)**

Oliarus lindbergi Dlabola, 1957b: 23; Linnavuori (1962a) [listed], Nast (1972) [listed], Dlabola (1972 [listed], 1981).

Setapius lindbergi; comb. n. in Dlabola (1988), Kheyri (1989), Mirzayans (1995).

Reptalus lindbergi (Dlabola, 1960); Kheyri (1989), Mirzayans (1995).

Iran localities: Āb Āsk, Bampur, Fasā, Gorgān, Heirān, Jiroft, Marand, Marg-e-Malek, Sarāvān, Shirāz, Tochāl Mountain, Zābol.

Extralimital distribution: Afghanistan, Cyprus, Iraq, Israel, Turkey, Dagestan, Uzbekistan (Nast 1972) Egypt (Dlabola 1974b), Saudi Arabia (Dlabola 1980c).

Family Delphacidae

Subfamilies and tribes follow Asche (1985)

Subfamily Asiracinae

Asiraca clavicornis (Fabricius, 1794)

Cicada clavicornis Fabricius, 1794: 41; Karimzadeh Esfahani et al. (1998), Behdad (1988), Mirzayans (1995) Abaii (2000).

Asiraca flavicornis (sic); Dlabola (1981, 1984).

Iran localities: Esfahān province, Golestān province, Karaj, Markazi province.

Extralimital distribution: North Africa, Europe, Northern parts of Western Asia, Afghanistan, Central and Eastern Asia.

Subfamily Kelisinae

Kelisia praecox Haupt, 1935

Kelisia praecox Haupt, 1935: 133; Dlabola (1981), Lashkari et al. (2009)

Iran localities: Tochāl Mountain, Golestān province.

Extralimital distribution: Germany, Eastern Europe, Central and Eastern Asia.

Kelisia ribauti Wagner, 1938

Kelisia ribauti Wagner, 1938: 12; Dlabola (1981), Mirzayans (1995).

Iran localities: Evin.

Extralimital distribution: Western, Northern and Eastern Europe, North parts of Western Asia, Afghanistan, Central Asia, Eastern Asia and Russian Far East.

Subfamily Stenocraninae

Stenocranus major (Kirschbaum, 1868)

Delphax major Kirschbaum, 1868: 211

Stenocranus major; Dlabola (1981).

Iran localities: Golestān province.

Extralimital distribution: Europe, Afghanistan.

Subfamily Delphacinae

Tribe Tropidocephalini

***Tropidocephala prasina* Melichar, 1902**

Tropidocephala prasina Melichar, 1902a: 90

Tropidocephala prasina lateralis Melichar, 1902a: 90; Nast (1972) [listed], Dlabola (1981) [listed].

Iran localities: Bazmān.

Tribe Delphacini

***Bostaera bolivari* (Melichar, 1901)**

Delphacodes bolivari Melichar, 1901: 56

Pseudaraeopus bolivari (Melichar, 1901); Nast (1972) [listed].

Bostaera bolivari; Dlabola (1960a, 1981 [listed]), Mirzayans (1995).

Iran localities: Chābahār, Geno, Irānshahr, Isin, Ziārat.

Extralimital distribution: North West Africa, Southern Europe, Israel.

***Calligypona reyi* (Fieber, 1866)**

Delphax reyi Fieber, 1866: 527

Calligypona reyi; Dlabola (1981).

Iran localities: Bandar Anzali.

Extralimital distribution: Europe, Turkey, Central Asia.

***Changeondelphax velichkovskyi* (Melichar, 1913)**

Euidella velitchkovskyi Melichar, 1913: 6 (type species of *Changeondelphax* Kwon, 1982)

Calligypona oriens Dlabola, 1961a: 276 (synonymized by Anufriev 1977).

Chloriona oriens; Dlabola (1981).

Changeondelphax velichkovskyi; comb. n. in Kwon (1982).

Iran localities: Ghāemshahr.

Extralimital distribution: South Eastern Europe, North Caucasus Eastern Asia.

***Chloriona clavata* Dlabola, 1960**

Chloriona clavata Dlabola, 1960b: 1; Dlabola (1981).

Iran localities: Gorgān, Evin.

Extralimital distribution: Kyrgyzia (Novikov et al. 2006).

***Chloriona unicolor* (Herrich-Schäffer, 1835)**

Delphax unicolor Herrich-Schäffer, 1835: 66

Chloriona unicolor; Melichar (1902a), Dlabola (1968 [listed], 1981), Mirzayans (1972), Nast (1972) [listed].

Iran localities: Aliābād (Ghom), Evin, Gambuyeh, Marand, Temin
 Extralimital distribution: North Africa, Europe, Turkey, Central Asia

***Conomelus* sp.**

Conomelus sp.; Dlabola (1981).

Iran localities: Tochāl Mountain.

***Delphacodes audrasi* Ribaut, 1954**

Delphacodes audrasi Ribaut, 1954: 180

Delphacodes linnavuorii Le Quesne, 1960: 160; Dlabola (1981), Mirzayans (1995).

Iran localities: Bidrueh, Gambuyeh, Minushahr, Sufiān.

Extralimital distribution: Southern parts of Eastern Europe, Southern Europe, Turkey, Israel.

Comments: Asche and Remane (1983) discuss the status of *Delphacodes mulsanti* Fieber and suggested that both *D. audrasi* and *D. linnavuorii* are likely to be synonyms of *mulsanti*.

***Delphacodes ornatipennis* (Haupt, 1927)**

Megamelus ornatipennis Haupt, 1927: 9; Dlabola (1964) [listed], 1965c [listed], 1960a, 1972).

Delphacodes ornatipennis; Asche and Remane (1983).

Iran localities: Irānshahr, Shādegān.

Extralimital distribution: East Mediterranean, Afghanistan.

Comments: Likely to become a synonym of *D. mulsanti* after further investigation (M. Asche pers comm.).

***Delphax inermis* Ribaut, 1934**

Delphax inermis Ribaut, 1934: 281; Dlabola (1977b [listed], 1994), Mirzayans (1995).

Iran localities: Borāzjān, Gambuyeh, Konārdān, Minushahr.

Extralimital distribution: North West Africa, Southern and Western Europe, East Mediterranean, Afghanistan.

***Dicranotropis hamata* (Boheman, 1847)**

Delphax hamata Boheman, 1847: 45

Dicranotropis hamata; Dlabola (1981).

Iran localities: Lajrān.

Extralimital distribution: North Africa, Europe, North Asia, Central Asia.

***Euides caspiana* (Dlabola, 1961)**

Euidella caspiana Dlabola, 1961a: 268

Euides caspiana; Dlabola (1981).

Iran localities: Bandar Anzali.

Extralimital distribution: Dagestan (Nast, 1972), Turkey (Demir, 2008).

Falcotoya minuscula* (Horváth, 1897)Delphax minuscula* Horváth, 1897b: 622*Calligypona minuscula* (Horváth, 1897); Dlabola (1960a).*Toya minuscula* (Horváth, 1897): Dlabola (1981), Dlabola (1972) [listed].*Falcotoya minuscula*; Barkhordari et al. (1981) [listed].

Iran localities: Bandar Anzali, Irānshahr, Robāt-e Tork.

Extralimital distribution: North East Africa, France, Eastern Europe, Turkey, Afghanistan and Central Asia.

Gravesteiniella boldi* (Scott, 1870)Liburnia boldi* Scott, 1870: 68*Gravesteiniella boldi*; Dlabola (1981).

Iran localities: Golestān province.

Extralimital distribution: Western, Northern and Eastern Europe, Cyprus, Central Northern and Eastern Asia.

Halmyra aeluropodis* (Emeljanov, 1964)Calligypona aeluropodis* Emeljanov, 1964: 9*Halmyra aeluropodis*; Dlabola (1974a, 1981).

Iran localities: Robāt-e Tork.

Extralimital distribution: Kazakhstan (Nast, 1972), Greece (Drosopoulos et al. 1983).

Herbalima eforiae* (Dlabola, 1961)Calligypona eforiae* Dlabola, 1961b: 314*Unkanodes eforiae*; comb. n. in Dlabola (1974a).*Herbalima eforiae*; comb. n. in Emeljanov (1977).

Iran localities: Eynvarzān.

Extralimital distribution: Romania, Kazakhstan (Nast, 1972) Kyrgyzia (Novikov et al. 2006).

Javesella pellucida* (Fabricius, 1794)Fulgora pellucida* Fabricius, 1794: 7*Calligypona marginata* (Fabricius, 1794); Dlabola (1960a).*Javesella pellucida*; Dlabola (1981), Mirzayans (1995).

Iran localities: Anbarābād, Chābahār, Evin, Eynvarzān Irānshahr, Sufiān.

Extralimital distribution: North of Africa, Europe, Turkey, Afghanistan, Central, Eastern and Northern Asia.

Laodelphax striatellus* (Fallén, 1826)Delphax striatellus* Fallén, 1826: 75*Laodelphax striatellus* (Fallén, 1826); Dlabola (1971a, 1981), Nast (1972) [listed], Ahmadi et al. (1986), Kheyri (1989), Mirzayans (1995), Karimzadeh Esfahani et al. (1998), Haghshenas and Khajehali (2000), Nematollahi and Khajehali (2000), Khajehali et al. (2001), Yarmand et al. (2006), Lashkari et al. (2009).

Laodelphax striatella; Mirzayans et al. (1976).

Iran localities: Ahvāz, Aliābād (Jahrom), Āmol, Asālem, Bājgāh, Bandar Anzali, Behshahr, Behshahr- Sāri, Bidruyeh, Bidzard, Chenārshāhijān, Dārāb, Darband, Dasht, Eskandari, Estahbān, Evin, Eynvarzān, Fasā, Galugāh- Eslāmābād, Gambuyeh, Gazanak, Gholhak, Gorgān, Hashtpar, Jahānābād Sepidān, Jiroft, Karaj, Marand, Miāneh- Gharechaman, Minushahr, Nurābād, Parehsar, Robāt-e gharebil- Dowlatābād, Sanandaj, Sāri- Bābolsar, Sarvestān, Shahdād, Shahr-e Kord, Shirāz, Sufiān, Tabriz, Veresk, Zarghān.

Extralimital distribution: North Africa, Europe, Western Asia, Afghanistan, Central, Northern and Eastern Asia.

***Matutinus putoni* (Costa, 1888)**

Kelisia putoni Costa, 1888: 16

Calligypona typhae Lindberg, 1960: 15 (syn. Asche and Remane, 1982); Dlabola (1981)

Matutinus putoni; Mirzayans (1995).

Iran localities: Anbarieh, Minushahr, Shush.

Extralimital distribution: Italy, North Africa, Israel.

***Muirodelphax amol* Dlabola, 1981**

Muirodelphax amol Dlabola, 1981: 154

Iran localities: Āmol.

***Muirodelphax aubei* (Perris, 1857)**

Delphax aubei Perris, 1857: 170

Muirodelphax aubei; Dlabola (1981), Lashkari et al. (2009)

Iran localities: Damāvand, Golestān province, Lajrān, Marand, Tochāl Mountain.

Extralimital distribution: North Africa, Europe, Turkey, Central and Eastern Asia.

***Pseudaraeopus curtulus* Dlabola, 1960**

Pseudaraeopus curtulus Dlabola, 1960a: 3; Dlabola (1981) [listed], Nast (1972) [listed].

Iran localities: Irānshahr.

***Pseudaraeopus iranicus* Dlabola, 1960**

Pseudaraeopus iranicus Dlabola, 1960a: 4; Dlabola (1981) [listed], Nast (1972) [listed].

Iran localities: Irānshahr.

***Ribautodelphax hyrcanus* Dlabola, 1981**

Ribautodelphax hyrcanus Dlabola, 1981: 157; Mirzayans (1995)

Iran localities: Golestān province, Hashtpar.

***Sardia rostrata* Melichar, 1903**

Sardia rostrata Melichar, 1903: 96; Dlabola (1981), Mirzayans (1995)

Iran localities: Minushahr.

Extralimital distribution: widespread in Asia and Australasia.

Sogatella furcifera* (Horváth, 1899)Delphax furcifera* Horváth 1899: 372*Sogatella furcifera*; Lashkari et al. (2009).

Iran localities: Golestān province.

Comments: Asche and Wilson (1990) recorded no specimens of this species in Europe or Africa. It is very likely that this record refers to another species.

Extralimital distribution: Eastern Palaearctic (Asche and Wilson, 1990).

Sogatella vibix* (Haupt, 1927)Liburnia vibix* Haupt, 1927:13*Calligypona vibix* (Haupt, 1927); Dlabola (1960a).*Sogatella suezensis* Matsumura 1910; Linnavuori (1964) misdetermination (not *suezensis* Matsumura, 1910); Ahmadi et al. (1986), Kheyri (1989), Mirzayans (1995), Nast (1972) [listed].*Sogatella vibix*; Dlabola (1965c, 1971a, 1972), Karimzadeh Esfahani et al. (1998), Lashkari et al. (2009).

Iran localities: Albāji, Anbarābād, Bājgāh, Bidruyeh, Dārāb, Esfahān province, Estahbān, Fasā, Firuzābād, Golestān province, Irānshahr, Isin, Jiroft, Minushahr, Nurābād, Sarvestān, Shabestar.

Extralimital distribution: North of Africa, North parts of Western Asia, Afghanistan.

Comments: Asche and Wilson (1990) provide full synonymy and localities.

Toya propinqua* (Fieber, 1866)Delphax propinqua* Fieber, 1866: 525*Calligypona propinqua* (Fieber, 1866); Dlabola (1960a).*Toya propinqua*; Ahmadi et al. (1986), Dlabola (1981), Kheyri (1989), Lashkari et al. (2009); Mirzayans (1995), Nast (1972) [listed].

Iran localities: Āb Āsk, Anbarābād, Andimeshk, Bājgāh, Bandar Anzali, Eskandari, Evin, Eynvarzān, Fasā, Gholhak, Gorgān, Hashtpar, Irānshahr, Isin, Jiroft, Kāzerun, Marand, Minushahr, Rudbārak, Sanandaj, Sepidān, Shirāz, Tochāl Mountain, Zarghān

Extralimital distribution: North Africa, Southern, Western and Eastern Europe, Western Asia, Afghanistan, Central Asia and Japan.

Unkanodes latespinosa* (Dlabola, 1957)Calligypona latespinosa* Dlabola, 1957a: 275*Unkanodes latespinosa*; Dlabola (1971a, 1981), Mirzayans (1995).

Iran localities: Damāvand, Eskandari, Evin, Gholhak, Marand, Miāneh – Gharechaman, Orumieh, Robāt-e gharebil, Sanandaj, Shahdād.

Extralimital distribution: Turkey, Afghanistan and Mongolia.

Unkanodes tanasijevici* (Dlabola, 1965)Elymodelphax tanasijevici* Dlabola, 1965a: 658*Unkanodes tanasijevici*; Ahmadi et al. (1986).

Iran localities: Akbar ābād, Bājgāh, Zarghān.

Extralimital distribution: Turkey-Anatolia, Greece, Romania, (Asche,1982), Yugoslavia.

Family Derbidae

Tribe Cenchreini

***Malenia isinica* Dlabola, 1986**

Malenia isinica Dlabola, 1986: 173

Iran localities: Isin.

***Malenia masirica* Dlabola, 1986**

Malenia masirica Dlabola, 1986: 173

Iran localities: Dehbakri, Kermānshāh (Yazd province), Kushk, Masiri, Sheikh-e Mahalleh, Yāsuj.

***Malenia sarmatica* Anufriev, 1966**

Malenia sarmatica Anufriev, 1966: 46; Dlabola (1981), Mirzayans (1995).

Iran localities: Hashtpar, Lāhijān, Tonekābon, Zirāb.

Extralimital distribution: Ukraine, Transcaucasia.

Tribe Zoraidini

***Proutista jezeki* Dlabola, 1981**

Proutista jezeki Dlabola, 1981: 161

Iran localities: Rāsk.

Family Dictyopharidae

Subfamily Dictyopharinae

Subgenera of *Dictyophara* follow Emeljanov (2004)

***Dictyophara (Ancylocrius) albata* Dlabola & Heller, 1962**

Dictyophara albata Dlabola & Heller, 1962: 2; Nast (1972) [listed], Dlabola (1981), Behdad (1988), Mirzayans (1995), Abaii (2000), Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Chāhkuh, Estahbān, Geno, Hichān, Irānshahr, Jahrom, Jiroft, Kahurestān, Kāzerun, Nikshahr, Sendarak.

***Dictyophara (Ancylocrius) exoptata* Dlabola & Heller, 1962**

Dictyophara exoptata Dlabola & Heller, 1962: 1; Nast (1972) [listed], Mirzayans et al. (1976) Dlabola (1981), Mirzayans (1995), Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Aliābād (Jahrom), Chāhkuh, Dasht-e arjan, Geno, Irānshahr, Isin, Jiroft, Kahurestān, Kāzerun, Konārdān, NikshharSendarak, Shirāz.

***Dictyophara (Chanithus) avocetta* Oshanin, 1879**

Dictyophara avocetta Oshanin, 1879: 131; Melichar, 1902a, Nast (1972) [listed], Dlabola (1981) [listed], Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Anārak.

Extralimital distribution: Azerbaijan, Eastern parts of Central Asia.

***Dictyophara (Chanithus) hastata* Kusnezov, 1929**

Dictyophara hastata Kusnezov, 1929; Mozaffarian and Emeljanov (2010) [listed].

***Dictyophara (Chanithus) kazeruna* Dlabola, 1986**

Dictyophara kazeruna Dlabola, 1986: 179, Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Kāzerun.

***Dictyophara (Conopenchus) pazukii* (Dlabola, 1984)**

Philotheria pazukii Dlabola, 1984: 25

Iran localities: Kamandān.

***Dictyophara (Dictyophara) asiatica* Melichar, 1912**

Dictyophara asiatica Melichar, 1912: 118; Dlabola (1981), Behdad (1988), Abaii (2000), Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Eynvarzān, Gazanak.

Extralimital distribution: Northern parts of Western Asia.

***Dictyophara (Dictyophara) europaea* (Linnaeus, 1767)**

Fulgora europaea Linnaeus, 1767: 704

Dictyophara europaea; Mirzayans et al. (1976), Dlabola (1981), Behdad (1988), Mirzayans (1995), Haghshenas and Khajehali (2000), Abaii (2000), Khajehali et al. (2001), Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Ahvāz, Bābol- Ghāemshahr, Bandar Anzali, Behshahr, Chahār mahāl- Bakhtiāri province, Eskandari, Fasā, Feizābād, Hafttappēh, Jahrom, Kāmyārānv, Kandovān (Māzandarān), Khorramābād, Marand, Mollāsāni, Tabriz, Tonekābons, Varāmin, Zirāb.

Extralimital distribution: North Africa, Western, Eastern and Southern Europe, northern parts of Western Asia, Afghanistan, southern parts of Central Asia and Eastern Asia.

***Dictyophara (Euthremma) hoberlandti* Dlabola, 1974**

Dictyophara hoberlandti Dlabola, 1974a: 36; Dlabola (1981), Mirzayans et al. (1976), Behdad (1988), Mirzayans (1995), Abaii (2000), Mozaffarian and Emeljanov (2010) [listed].

Dictyophara (Euthremma) hoberlandti; Emeljanov (2004).

Iran localities: Eynvarzān, Gāvkooshak, Kāzerun, Orumieh, Sepidān, Sisakht.

***Raivuna iranica* (Linnavuori, 1962)**

Dictyophara iranica Linnavuori, 1962a: 7; Nast (1972) [listed], Dlabola (1981), Mirzayans (1995), Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Anbarābād, Chāhkuh, Dālaki, Evin, Ghom Lake, Hafttappeh, Hasanlangi, Irānshahr, Isin, Jiroft, Kandovān (Māzandarān), Marand, Mollāsāni, Nikshahr, Pishin, Rāsk, Sendarak, Sisakht, Yazd, Zābol.

Extralimital distribution: Turkey (Demir, 2008).

***Raivuna pallida* (Donovan, 1800)**

Fulgora pallida Donovan 1800: 1

Chanithus pallidus (= *striata* Oshanin, 1879); Dlabola (1960a).

Raivuna pallida; Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Anbarābād, Bampur, Irānshahr

Extralimital distribution: North Africa, Southern parts of Western Asia, Transcaucasia, Central and Eastern Asia.

Comments: Linnavuori (1962a) regarded *Chanithus* as a subgenus of *Dictyophara*. Due to problems with the identity of this species literature records may refer to a number of species.

***Raivuna striata* (Oshanin, 1879)**

Raivuna striata (Oshanin, 1879); Mozaffarian and Emeljanov (2010) [listed].

Iran localities: Unknown locality.

Subfamily Orgeriinae***Kumlika mandrita* Emeljanov, 1997**

Kumlika mandrita Emeljanov, 1997: 89

Iran localities: Sabzevār.

***Nymphorgerius convergens* Emeljanov, 1972**

Nymphorgerius convergens Emeljanov, 1972a: 25; Dlabola (1979b).

Iran localities: Shāhkuh-e Pāiin.

***Nymphorgerius emeljanovi* Dlabola, 1979**

Nymphorgerius emeljanovi Dlabola, 1979b: 242

Iran localities: Tochāl Mountain, Ziārān.

***Nymphorgerius mullah* Dlabola, 1979**

Nymphorgerius mullah Dlabola, 1979b: 241

Iran localities: Ziārān.

***Nymphorgerius plotnikovi* Kusnezov, 1929**

Nymphorgerius plotnikovi Kusnezov, 1929: 326; Emeljanov (1997).

Iran localities: Bojnurd.

Extralimital distribution: Kazakhstan, Turkmenia (Nast, 1972).

***Nymphorgerius rostratus* Emeljanov, 2009**

Nymphorgerius rostratus Emeljanov, 2009: 283

Iran localities: Sangrud.

***Tigrahauda ototettigoides* (Oshanin, 1913)**

Orgerius ototettigoides Oshanin, 1913: 140

Tigrahauda ototettigoides; Emeljanov (1997).

Iran localities: Esfarāyen, Kāhe.

Extralimital distribution: Central Asia.

Family Flatidae***Bahuflata punctata* Dlabola, 1979**

Bahuflata punctata Dlabola, 1979a: 230

Iran localities: Bāhukalāt, Sirik.

***Derisa atratula* Melichar, 1902**

Derisa atratula Melichar, 1902a: 103; Dlabola (1960a, 1981), Nast (1972) [listed], Mirzayans (1995), Medler (2003).

Iran localities: Sirjān, Isin, Anbarābād, Bampur, Bazmān, Nikshahr, Bāhukalāt, Chābahār, Tis.

***Eurima astuta* Melichar, 1902**

Eurima astuta Melichar, 1902a: 102; Dlabola (1981) [listed], Nast (1972) [listed], Mirzayans (1995).

Iran localities: Bazmān, Kahurestān, Sendarak.

Extralimital distribution: Israel (Nast 1972) Saudi Arabia (Dlabola 1979d).

***Mesophantia kanganica* Dlabola, 1983**

Mesophantia kanganica Dlabola, 1983: 469 in Krampl and Dlabola (1983).

Iran localities: Bānuchārehar, Bojnurd, Hessār, Jiroft, Kangān, Nehbandān, Nosratābad, Sabzevār.

***Mesophantia pallens* Melichar, 1902**

Mesophantia pallens Melichar, 1902b: 18; Abaii (2000), Barkhordari et al. (1981), Dlabola (1981, 1983a), Medler (2003), Mirzayans (1995), Mirzayans et al. (1976), Nast (1972) [listed], Rajabi (1989).

Iran localities: Ābādeh, Bojnurd, Darpahn, Estahbān, Evin, Gāvkooshak, Izadkhāst, Jahrom, Kāshān, Kāzerun, Khosro- Shirin, Mashhad-e Ardehāl, Mohammadābād, Nishābur, Rafsanjān, Sangān, Shāhrud, Sisakht, Yāsuj.

***Mesophantia sabzevaranica* Dlabola, 1983**

Mesophantia sabzevaranica Dlabola, 1983: 466 in Krampl and Dlabola, (1983); Mirzayans (1995).

Iran localities: Denā mt (west slope), Doborji, Estahbān, Ferdows-e Esfandaghe, Gāvkooshi, Geno, Ghaderābād, Jahrom, Jiroft, Kāzerun, Kermān, Kuhenjān, Māhārlu, Miānjangal, Mohammadābād, Nishābur, Posht- e kuh, Sarāvān, Sarbāz, Shul, Sisakht.

***Mesophantia tisina* Dlabola, 1983**

Mesophantia tisina Dlabola, 1983: 468 in Krampl and Dlabola (1983).

Iran localities: Dehbakri, Tis.

***Persepolia columbaria* Dlabola & Safavi, 1972**

Persepolia columbaria Dlabola & Safavi, 1972: 2; Dlabola and Safavi (1972), Dlabola (1974a, 1981), Mirzayans et al. (1976), Behdad (1988), Rajabi (1989), Mirzayans (1995), Abaii (2000).

Iran localities: Kāzerun, Nurābād, Shirāz, Yāsuj.

Extralimital distribution: Saudi Arabia (Dlabola, 1980c).

***Persepolia jasmuriana* Dlabola, 1982**

Persepolia jasmuriana Dlabola, 1982b: 165

Iran localities: Bāhukalāt, Bārgāh, Bazmān, Geno, Isin, Rudān, Sarāvān, Tang-e Sarheh.

***Persepolia secunda* Dlabola, 1981**

Persepolia secunda Dlabola, 1981: 190

Iran localities: Zāboli.

***Persepolia servadeina* Dlabola, 1982**

Persepolia servadeina Dlabola, 1982b: 163

Iran localities: Bazmān, Zāboli, Pākūh, Sarāvān, Tang-e Sarheh, Zāhedān, Kermānshāh (Yazd province), Khutanābād, Kermān, Māhān, Golbāf.

***Phantia borazianica* Dlabola, 1989**

Phantia borazianica Dlabola, 1989: 44

Iran localities: Borāzjān.

***Phantia christophii* Rusiecka, 1902**

Phantia christophii Rusiecka, 1902: 423; Melichar (1902a), Dlabola (1972), Nast (1972) [listed].

Iran localities: Temin.

Extralimital distribution: Afghanistan, Turkmenia.

***Phantia crucispina* Dlabola, 1989**

Phantia crucispina Dlabola, 1989: 42

Iran localities: Zāhedān.

***Phantia cylindricornis* Melichar, 1902**

Phantia cylindricornis Melichar, 1902a: 99; Dlabola (1960a, 1972 [listed], 1989), Nast (1972) [listed], Medler (2003).

Iran localities: Anbarābād, Bāhukalāt, Chābahār, Espakeh, Hasanlangi, Irānshahr, Mināb, Ziārat.

Extralimital distribution: Afghanistan and Turkmenia.

***Phantia denasuta* Dlabola, 1989**

Phantia denasuta Dlabola, 1989: 40

Iran localities: Bāhukalāt, Bampur, Bandar Chārak, Hasanlangi, Jāsk.

***Phantia ferganensis* Dubovsky, 1966**

Phantia ferganensis Dubovsky, 1966: 75; Dlabola (1989).

Iran localities: Bāhukalāt, Bampur, Jāsk.

Extralimital distribution: Uzbekistan.

***Phantia finita* Dlabola, 1989**

Phantia finita Dlabola, 1989: 49

Iran localities: Miānjāngal.

***Phantia flavida* Rusiecka, 1902**

Phantia flavida Rusiecka, 1902: 424; Nast (1972) [listed], Dlabola (1981) [listed].

Iran localities: Unknown locality.

Extralimital distribution: Azerbaijan.

***Phantia helleri* Linnavuori, 1962**

Phantia helleri Linnavuori, 1962b: 2; Nast (1972) [listed], Dlabola (1981, 1989), Mirzayans (1995).

Iran localities: Ahram, Bāhukalāt, Bampur, Bandar Abbās, Bandar Lengeh, Bārgāh, Bazmān, Dārāb, Dārbahāre, Darzin, Darpahn, Fāriāb, Gambuyeh, Ganāveh, Gāvkoši, Geno, Ghasr-e Ghand, Ghom, Ghotbābād, Hājiābād, Hasanlangi, Isin, Jāsk, Jiroft, Kahnuj, Kahurestān, Kamālābād, Khutanābād, Mahārlu, Mijān, Mināb, Nikshahr, Nugh, Rafsanjān, Rāsk, Rudān, Sekand, Sendarak, Shirāz, Shul, Shusf, Sirik, Tang-e Sarheh, Tis, Zeidān.

***Phantia lactea* Rusiecka, 1902**

Phantia lactea Rusiecka, 1902: 424; Nast (1972) [listed], Dlabola (1981) [listed].

Iran localities: Unknown locality.

***Phantia ovatospina* Dlabola, 1989**

Phantia ovatospina Dlabola, 1989: 43

Iran localities: Nehbandān.

***Phantia picea* Dlabola, 1989**

Phantia picea Dlabola, 1989: 46

Iran localities: Bāhukalāt, Bandar Abbās, Jāsk, Nikshahr.

***Phantia putoni* Rusiecka, 1902**

Phantia putoni Rusiecka, 1902: 423; Dlabola (1981) [listed].

Iran localities: Unknown locality.

***Phantia rubromarginata* Rusiecka, 1902**

Phantia rubromarginata Rusiecka, 1902: 424; Nast (1972) [listed], Dlabola (1972 [listed], 1981 [listed]).

Iran localities: Unknown locality.

Extralimital distribution: Afghanistan.

***Phantia subquadrata* (Herrich Schäffer, 1838)**

Poecilopectera subquadrata Herrich Schäffer, 1838: 2

Phantia subquadrata; Dlabola (1989).

Iran localities: Yāsuj.

Extralimital distribution: Turkey (Demir 2007).

***Phantia viridula* Puton, 1890**

Phantia viridula Puton, 1890: 230; Dlabola (1972) [listed], Nast (1972) [listed], Puton (1890).

Iran localities: Shāhrud.

Extralimital distribution: Armenia.

***Tisia esfandiarii* Dlabola, 1981**

Tisia esfandiarii Dlabola, 1981: 192

Iran localities: Tis.

***Zarudnya fusca* Melichar, 1902**

Zarudnya fusca Melichar, 1902a: 101; Dlabola (1960a), Nast (1972) [listed], Medler (2003).

Iran localities: Bampur, Bazmān, Irānshahr.

Extralimital distribution: Turkmenia.

***Zarudnya interstitialis* Melichar, 1902**

Zarudnya interstitialis Melichar, 1902a: 101; Dlabola (1960a, 1981 [listed]), Nast (1972) [listed], Medler (2003), Mirzayans (1995)

Iran localities: Anbarābād, Bampur, Bazmān, Irānshahr, Jiroft, Kharposht, Sendarak.

Extralimital distribution: North Africa.

Family Fulgoridae

The genus *Dorysarthrus* was transferred from Dictyopharidae to Fulgoridae by Emeljanov (1979).

***Dorysarthrus mobilicornis* Puton, 1895**

Dorysarthrus mobilicornis Puton, 1895: 88; Dlabola (1981), Mirzayans (1995).

Iran localities: Bāhukalāt, Ghasr-e Ghand, Nikshahr, Sirik.

Extralimital distribution: Israel.

***Dorysarthrus simonyi* Melichar, 1912**

Dorysarthrus simonyi Melichar, 1912; Dlabola 1984, Mirzayans (1995).

Iran localities: Mināb.

Extralimital distribution: Saudi Arabia (Dlabola. 1979d).

***Dorysarthrus sumakovi* Oshanin, 1908**

Dorysarthrus sumakovi Oshanin, 1908: 471; Nast (1972) [listed].

Iran localities: Unknown locality.

Extralimital distribution: Turkmenia.

Family Issidae Spinola, 1839***Anatalodus karabachicus* (Logvinenko, 1975)**

Aeluropsis karabachica Logvinenko, 1975: 59

Hysteropterum ignavum Dlabola, 1981: 179; Dlabola (1981).

Anatolodus ignavus; Dlabola (1982a), Mirzayans (1995).

Anatalodus karabachicus; Gnezdilov (2010b) [listed].

Iran localities: Ghezel-Bolāgh, Māku, Khoy, Marand, Nikshahr.

Extralimital distribution: Turkey.

***Cavatorium ardakanum* Dlabola, 1980**

Cavatorium ardakanum Dlabola, 1980b: 210

Iran localities: Shul.

Cavatorium bispinatum* Dlabola, 1980Cavatorium bispinatum* Dlabola, 1980b: 209

Iran localities: Sisakht, Yāsuj.

Cavatorium quadrispinatum* Dlabola, 1980Cavatorium quadrispinatum* Dlabola, 1980b: 211

Iran localities: Doborji, Fasā.

Cavatorium sarbaz* Dlabola, 1980Cavatorium sarbaz* Dlabola, 1980b: 212

Iran localities: Sekand.

Eusarima (Nepalius) iranica* Gnezdilov & Mozaffarian, 2011Eusarima (Nepalius) iranica* Gnezdilov & Mozaffarian, 2011: 457

Iran localities: Dārābād, Tehrān.

Inflatodus astyages* Dlabola, 1982Inflatodus astyages* Dlabola, 1982a: 124

Iran localities: Ziārān.

Inflatodus kyaxares* Dlabola, 1982Inflatodus kyaxares* Dlabola, 1982a: 122

Iran localities: Ziārān.

Inflatodus persicus* (Dlabola, 1981)Hysteropterum persicum* Dlabola, 1981: 181*Inflatodus persicus*; Mirzayans (1995).

Iran localities: Ābyek, Ghazvin, Tochāl Mountain, Zanjān.

Inflatodus viridans* (Dlabola, 1974)Hysteropterum viridatum* Dlabola, 1971a: 380 [Preoccupied]*Hysteropterum viridans* Dlabola, 1974a: 44 (nom. nov. for *H. viridatum* Dlabola, 1971: 380 nec Caldwell, 1945); Dlabola (1974a [listed], 1981 [listed]).*Inflatodus viridans*; Mirzayans (1995).

Iran localities: Ghezel-Bolāgh, Varāmin.

Iranodus amygdalinus* Dlabola, 1980Iranodus amygdalinus* Dlabola, 1980b: 205; Behdad (1988), Mirzayans (1995), Abaii (2000).

Iran localities: Bānuchārehar, Chābahār, Doborji, Ferdows-e Esfandaghe, Gotbābād, Hoseinābād, Isin, Jiroft, Kāzerun, Miānjāngal, Mohammadābād.

***Iranodus dumetorus* (Dlabola, 1981), comb. n.**

Hysteropterum dumetorum Dlabola 1979 nomen nudum. Species not listed or described
Iranodus dumetorus (Dlabola, 1980b); 205 nomen nudum. Species listed but not described.

Hysteropterum dumetorum Dlabola, 1981: 185

Iran localities: Khānehkhoreh, Shirāz, Dehbid.

Comments: The species was validly described as *Hysteropterum dumetorum* in Dlabola (1981). However, the name appeared as a new combination in Dlabola (1980b) based on the species being described in Dlabola (1979), where in fact it was not mentioned. On this basis the two earlier citations of the name must be *nomina nuda*. But the new combination given as *Iranodus dumetorus* was 2 years before the species was described. Accordingly we validate the name here in the combination *Iranodus dumetorus* (Dlabola, 1981).

***Iranodus khatunus* (Dlabola, 1981), comb. n.**

Hysteropterum khatunum Dlabola, 1979 nomen nudum. Species not listed or described
Iranodus khatunus Dlabola, 1979: Mirzayans (1995).

Iranodus khatunus (Dlabola, 1980b); 205 nomen nudum. Species listed but not described Mirzayans (1995).

Hysteropterum khatunum Dlabola, 1981: 187

Iran localities: Bānuchārehar, Dehpābid.

Comments: The species was validly described as *Hysteropterum khatunum* in Dlabola (1981). However, the name appeared as a new combination in Dlabola (1980b) based on the species being described in Dlabola (1979), where in fact it was not mentioned. On this basis the two earlier citations of the name must be *nomina nuda*. But the new combination given as *Iranodus khatunus* was 2 years before the species was described. Accordingly we validate the name here in the combination *Iranodus khatunus* (Dlabola, 1981).

***Iranodus nishabur* Dlabola, 1982**

Iranodus nishabur Dlabola, 1982a: 128

Iran localities: Birjand, Nishābur.

***Iranodus repandus* (Dlabola, 1981), comb. n.**

Hysteropterum repandum Dlabola, 1979 nomen nudum. Species not listed or described.

Iranodus repandus Dlabola, 1979; Mirzayans (1995).

Iranodus repandum (Dlabola, 1980b): 207 nomen nudum. Species listed but not described.

Hysteropterum repandum Dlabola, 1981: 183; Abaii (2000), Behdad (1988).

Iran localities: Jahrom, Kāzerun, Shirāz.

Comments: The species was validly described as *Hysteropterum repandus* in Dlabola (1981). However, the name appeared as a new combination in Dlabola (1980b) based on the species being described in Dlabola (1979), where in fact it was not

mentioned. On this basis the two earlier citations of the name must be nomina nuda. But the new combination given as *Iranodus repandus* was 2 years before the species was described. Accordingly we validate the name here in the combination *Iranodus repandus* (Dlabola 1981).

***Iranodus transversalis* Dlabola, 1980**

Iranodus transversalis Dlabola, 1980b: 204; Mirzayans (1995)

Iran localities: Bāft, Lalezār.

Mycterodus

This large issid genus is now often treated species placed in subgenera such as *Aconosimus*. But not all *Mycterodus* species have yet been placed in subgenera, so those species found in Iran are listed under *Mycterodus* only.

***Mycterodus astragalicus* Dlabola, 1974**

Mycterodus astragalicus Dlabola, 1974a: 42; Behdad (1988); Abaii (2000).

Aconosimus astragalicus; Dlabola (1997).

Iran localities: Kuhrang.

***Mycterodus demavendinus* Dlabola, 1981**

Mycterodus demavendinus Dlabola, 1981: 174; Behdad (1988), Abaii (2000).

Aconosimus demavendinus; Dlabola (1997).

Iran localities: Damāvand, Tochāl Mountain.

***Mycterodus elbursicus* (Logvinenko, 1974)**

Mycterodus elbursicus Logvinenko, 1974: 838

Aconosimus elbursicus; Dlabola (1983b), Dlabola (1997).

Iran localities: Shāhkuh-e Pāiin.

***Mycterodus fagetophilus* Dlabola, 1980**

Mycterodus fagetophilus Dlabola, 1980a: 62, Dlabola (1997).

Iran localities: Chālus.

***Mycterodus guilanicus* Dlabola, 1981**

Mycterodus guilanicus Dlabola, 1981: 176, Dlabola (1997).

Iran localities: Lāhijān.

***Mycterodus hezarmeshedi* Dlabola, 1980**

Mycterodus hezarmeshedi Dlabola, 1980a: 66

Aconosimus hezarmeshedi; Dlabola (1997).

Iran localities: Kuh-e Hezār.

***Mycterodus inassuetus* Dlabola, 1981**

Mycterodus inassuetus Dlabola, 1981: 176

Aconosimus inassuetus; Dlabola (1997).

Iran localities: Gazanak.

***Mycterodus kandavanicus* Dlabola, 1980**

Mycterodus kandavanicus Dlabola, 1980a: 63, Dlabola (1997).

Iran localities: Ghazvin, Kandovān (Māzandarān).

***Mycterodus krameri* Dlabola, 1974**

Mycterodus krameri Dlabola, 1974b: 297; Logvinenko (1974), Dlabola (1981), Dlabola (1997) [listed], Abaii (2000), Gnezdilov et al. (2004), Lashkari et al. (2009).

Iran localities: Behshahr, Bojnurd, Dasht, Gorgān, Rostamābād.

***Mycterodus lanceatus* Dlabola 1997**

Aconosimus lanceatus Dlabola 1997: 307

Mycterodus lanceatus Dlabola 1991, nomen nudum [The species appears not to be formally described in 1991].

Iran localities: Kelārdasht, Rudbār.

***Mycterodus peterseni* Dlabola, 1980**

Mycterodus peterseni Dlabola, 1980a: 68, Dlabola (1997)

Iran localities: Kandovān (Māzandarān).

***Mycterodus sexpunctatus* Dlabola, 1980**

Mycterodus sexpunctatus Dlabola, 1980a: 67; Gnezdilov et al. (2004).

Aconosimus sexpunctatus; Dlabola (1997).

Iran localities: Azādbar, Kandovān (Māzandarān).

***Mycterodus shahrudicus* Dlabola, 1980**

Mycterodus shahrudicus Dlabola, 1980a: 65

Aconosimus shahrudicus; Dlabola (1997).

Iran localities: Ghazvin.

***Pentissus bamicus* Dlabola, 1980**

Pentissus bamicus Dlabola, 1980b: 207; Mirzayans (1995).

Iran localities: Dehbakri, Dehpābid, Jiroft, Khutanābād, Taftān, Tamandān.

***Phasmena adyoungi* Dlabola, 1982**

Phasmena adyoungi Dlabola, 1982a: 131

Iran localities: Ghasr-e Ghand.

***Phasmena nasuta* Melichar, 1902**

Phasmena nasuta Melichar, 1902a: 93; Melichar (1906), Nast (1972) [listed], Dlabola (1981) [listed].

Iran localities: Temin.

Extralimital distribution: Turkey.

***Phasmena telifera* Melichar, 1902**

Phasmena telifera Melichar, 1902a: 92; Melichar (1906), Nast (1972) [listed], Dlabola (1981) [listed], Mirzayans (1995).

Iran localities: Sekand, Temin.

***Quadriva aurita* (Dlabola, 1982)**

Hysterodus auritus Dlabola, 1982a: 162

Quadriva aurita (Dlabola, 1982a); comb. n. in Gnezdilov et al. (2004).

Iran localities: Yāsuj.

***Quadriva dehbakrina* (Dlabola, 1980)**

Hysterodus dehbakrinus Dlabola, 1980b: 196

Quadriva dehbakrina; comb. n. in Gnezdilov et al. (2004).

Iran localities: Dehbakri.

***Quadriva lassa* (Dlabola, 1981)**

Hysteropterum lassum Dlabola, 1981: 178

Quadriva lassa (Dlabola, 1981); comb. n. in Gnezdilov et al. 2004.

Iran localities: Khānehkhoreh, Marg-e Malek, Shirāz.

***Quadriva ochaninei* (Puton, 1890)**

Conosimus ochaninei Puton, 1890: 232

Conosimus oshanini; Nast (1972) [listed].

Quadriva ochaninei; comb. n. in Gnezdilov (2010b).

Iran localities: Unknown locality.

Extralimital distribution: Central Asia.

Comment: Although the species had been listed in Nast (1972) from Iran, according to Gnezdilov (2010b) the species has only been collected from Central Asia.

***Quadriva proxima* (Dlabola, 1980)**

Hysterodus proximus Dlabola, 1980b: 198

Quadriva proxima; comb. n. in Gnezdilov et al. (2004).

Iran localities: Dehbakri.

***Quadriva sabzevarana* (Dlabola, 1980)**

Hysterodus sabzevaranus Dlabola, 1980b: 193

Quadriva sabzevarana; comb. n. in Gnezdilov et al. (2004).

Iran localities: Jiroft.

***Quadriva taftanica* (Dlabola, 1980)**

Hysterodus taftanicus Dlabola, 1980b: 197

Quadriva taftanica; comb. n. in Gnezdilov et al. (2004).

Iran localities: Taftān.

***Quadriva tangesarhena* (Dlabola, 1980)**

Hysterodus tangesarhenus Dlabola, 1980b: 193

Hysterodus tangesarhensis; Mirzayans (1995).

Quadriva tangesarhena; comb. n. in Gnezdilov et al. (2004).

Iran localities: Semirom, Sepidān, Tang-e Sarheh.

***Scorlupaster asiaticum* (Lethierry, 1878)**

Hysteropterum asiaticum Lethierry, 1878: 27; Dlabola (1981).

Hysteropterum tshurtshurnum Linnavuori 1957: 96

Scorlupaster asiaticum; comb. n. in Emeljanov (1972b).

Iran localities: Shirāz.

Extralimital distribution: Syria, Transcaucasia, Afghanistan, Central and Northern Asia.

***Scorlupaster emersum* (Dlabola, 1981)**

Hysteropterum emersum Dlabola, 1981: 184

Scorlupella emersum; Mirzayans (1995).

Iran localities: Robāt-e gharebil.

***Scorlupella montana* (Becker, 1865)**

Issus montana Becker, 1865

Scorlupella montana; Mozaffarian and Gnezdilov (in press).

Iran localities: Ālmeh, Dasht, Kandovān (Āzarbāijān-e Sharghi), Matnagh, Tāzekand, Yāichi.

Extralimital distribution: South Europe, Caucasus, Central Asia, Turkey, East Mediterranean (except North Africa).

***Tautoprosopa transcaspia* (Emeljanov, 1978)**

Brachyprosopa transcaspia Emeljanov, 1978: 332

Verticisium pictifrons (Melichar, 1906), sensu Dlabola (1979c), misidentification (see Gnezdilov 2002).

Tautoprosopa transcaspia; Gnezdilov (2002), Gnezdilov et al. (2004).

Iran localities: Dareh gaz, Khalkānlu, Khargh, Māzandarān, Shurlukh.

Extralimital distribution: Kazakhstan, Turkmenia (Gnezdilov 2002).

Family Kinnaridae***Perloma boroumandi* (Dlabola, 1981)**

Adolenda boroumandi Dlabola, 1981: 138; Mirzayans (1995).

Perloma boroumandi; Emeljanov (1984).

Iran localities: Bāhukālāt, Geno, Ghasr-e Ghand, Nikshahr.

Comment: Listed as Cixiidae in Dlabola (1981).

***Perloma brunnescens* (Emeljanov, 1984)**

Propleroma brunnescens Emeljanov, 1984: 471

Perloma brunnescens; Wilson 2010a.

Iran localities: Kāravāndar.

Extralimital distribution: UAE (Wilson, 2010a).

***Perloma satrapa* (Dlabola, 1981)**

Adolenda satrapa Dlabola, 1981: 140

Perloma satrapa; Emeljanov (1984).

Iran localities: Ghasr-e Ghand, Kāzerun.

Comment: Listed as Cixiidae in Dlabola (1981).

***Perloma zarudnyi* (Emeljanov, 1984)**

Propleroma zarudnyi Emeljanov, 1984: 474

Perloma zarudnyi; Wilson (2010a).

Iran localities: Kāravāndar.

Family Lophopidae***Lophops pallidus* Melichar, 1902**

Lophops pallidus Melichar, 1902a: 90

Lophops pallida; Nast (1972) [listed], Dlabola (1981) [listed].

Iran localities: Anārak.

Extralimital distribution: Saudi Arabia (Dlabola, 1980c).

Family Meenoplidae***Anigrus farsicus* Dlabola, 1986**

Anigrus farsicus Dlabola, 1986: 171

Iran localities: Borāzjān, Rāsk.

***Meenoplus albosignatus* Fieber, 1866**

Meenoplus albosignatus Fieber, 1866: 510; Dlabola (1984), Mirzayans (1995).

Iran localities: Sepidān.

Extralimital distribution: Southern Europe, Caucasus, North parts of Western Asia.

***Nisia nervosa* (Motschulsky, 1863)**

Meenoplus atrovenosus Lethierry, 1888: 466

Nisia nervosa; Mirzayans (1995).

Iran localities: Isin.

Extralimital distribution: widely distributed from subtropical and tropical regions of Old World. North of Africa, North parts of Western Asia, UAE and Eastern Asia.

Family Nogodinidae***Hadjia nerii* Dlabola, 1981**

Hadjia nerii Dlabola 1981: 197

Iran localities: Isin.

***Hadjia quadrifasciata* Dlabola, 1981**

Hadjia quadrifasciata Dlabola 1981: 195

Iran localities: Doborji, Geno, Ghotbābād, Hājiābād.

***Iranissus ephedrinus* Dlabola, 1980, new placement**

Iranissus ephedrinus Dlabola, 1980b: 201

Iran localities: Bānuchārehar, Ferdows-e Esfandaghe, Geno, Hājiābād, Jiroft, Mohammadābād, Tis.

Comment: This species was described and placed in Issidae, We here transfer the species to Nogodinidae. (Suggested transfer by V. Gnezdilov pers. comm. and confirmed by MRW by examination of specimens).

***Morsina persica* Melichar, 1902**

Morsina persica Melichar, 1902a: 98; Nast (1972) [listed], Dlabola (1981), Mirzayans (1995).

Iran localities: Bazmān, Geno, Gorgān, Jāsk, Jiroft, Mumān, Sendarak.

***Philbyella glarea* Dlabola & Heller, 1962**

Philbyella glarea Dlabola & Heller, 1962: 2; Dlabola (1981), Mirzayans (1995), Nast (1972) [listed].

Iran localities: Bandar Abbās, Chābahār, Fāriāb, Kahnuj, Sirjān, Tang-e Sarheh.

Family Ricaniidae***Pochazia umbrata* Melichar, 1896**

Pochazia umbrata Melichar, 1896: 385; Nast (1972) [listed].

Iran localities: Unknown locality.

Extralimital distribution: Turkmenia, Russia (Siberia) (Nast, 1972).

***Ricania hedenborgi* Stål, 1865**

Ricania hedenborgi Stål, 1865: 162; Mirzayans et al. (1976), Dlabola (1981, 1983a [listed], 1984), Mirzayans (1995), Haghshenas and Khajehali (2000)

Iran localities: Chahārmahāl- Bakhtiāri province, Kāzerun, Shirāz, Sarvestān, Aliābād (Jahrom), Hamadān, Asadābād, Izeh.

Extralimital distribution: Greece, Turkey, Armenia.

***Ricania soraya* Dlabola, 1983**

Ricania soraya Dlabola, 1983a: 93

Iran localities: Ghaderābād, Kāzerun, Masiri.

Family Tettigometridae***Eurychila pantherina* (Horváth, 1891)**

Tettigometra pantherina Horváth, 1891: 81

Eurychila pantherina; Dlabola (1981, 1984), Mirzayans (1995).

Iran localities: Meshkinshahr, Minushahr.

Extralimital distribution: Transcaucasus, Afghanistan and Central Asia.

***Mitricephalus macrocephalus* (Fieber, 1865)**

Tettigometra macrocephalus Fieber, 1865: 569

Mitricephalus macrocephalus; Dlabola (1981).

Iran localities: Kandovān (Māzandarān), Lajrān, Tochāl Mountain.

Extralimital distribution: Europe, Turkey, Afghanistan, Central and Northern Asia.

***Tettigometra angulata* Lindberg, 1948**

Tettigometra angulata Lindberg, 1948: 19; Dlabola (1972) [listed], Nast (1972) [listed], Mirzayans (1995).

Iran localities: Evin, Kāshān, Rafsanjān.

Extralimital distribution: Transcaucasia, Turkey, Israel, Afghanistan and Central Asia.

***Tettigometra costulata* Fieber, 1865**

Tettigometra costulata Fieber, 1865: 572; Melichar (1902a), Dlabola (1971a, 1972, 1981), Nast (1972) [listed], Behdad (1988), Rajabi (1989), Mirzayans (1995), Abaii (2000).

Iran localities: Aliābād (Ghom), Bazmān, Evin, Gazanak, Geno, Ghom, Karaj, Kuhrang, Māku, Marand, Mohammadābād.

Extralimital distribution: North Africa, Southern Europe, Yugoslavia, Transcaucasia, Northern parts of Western Asia, Afghanistan, Central Asia.

***Tettigometra demavenda* Dlabola, 1981**

Tettigometra demavenda Dlabola, 1981: 170; Dlabola (1981).

Iran localities: Gazanak, Lajrān.

***Tettigometra depressa* Fieber, 1865**

Tettigometra depressa Fieber, 1865: 563; Nast (1972) [listed].

Iran localities: Unknown locality.

Extralimital distribution: North Africa, Southern, Western and Eastern Europe, North West of Asia.

***Tettigometra eremi* Lindberg, 1948**

Tettigometra eremi Lindberg, 1948: 27; Nast (1972) [listed], Dlabola (1972, 1981), Mirzayans (1995).

Iran localities: Ābyek, Āmol, Eynvarzān, Gazanak, Kandovān (Māzandarān), Lajrān, Robāt-e gharebil.

Extralimital distribution: Ukraine, Transcaucasia, Turkey, Afghanistan and Central Asia.

***Tettigometra hexaspina* Kolenati, 1857**

Tettigometra hexaspina Kolenati 1857: 428; Dlabola (1984)

Iran localities: Kāzerun, Khoy.

***Tettigometra pseudovitellina* Mitjaev, 1971**

Tettigometra pseudovitellina Mitjaev, 1971: 75; Dlabola (1981)

Iran localities: Āb Āsk, Marand.

Extralimital distribution: Kazakhstan (Nast, 1972).

***Tettigometra sordida* Fieber, 1865**

Tettigometra sordida Fieber, 1865: 571; Nast (1972) [listed].

Iran localities: Unknown locality.

Extralimital distribution: Western and Eastern Europe.

Tettigometra sororcula* Horváth, 1897Tettigometra sororcula* Horváth 1897a: 90; Dlabola 1994 [listed].

Iran localities: unknown locality.

Extralimital distribution: Southern Europe.

Tettigometra sulphurea* Mulsant & Rey, 1855Tettigometra sulphurea* Mulsant & Rey, 1855: 209; Mirzayans et al. (1976), Dlabola (1981), Mirzayans (1995).

Iran localities: Ābyek, Dārān, Delijān, Evin, Gāvkoshak, Geno, Ghazvin, Ghom-Esfahān Rd, Kandovān (Āzarbāijān-e Sharghi), Karaj, Rudehen.

Extralimital distribution: Southern, Western and Eastern Europe, North parts of Western Asia, Afghanistan and Central Asia.

Tettigometra varia* Fieber, 1865Tettigometra varia* Fieber, 1865: 565; Dlabola (1981), Mirzayans (1995).

Iran localities: Ghom, Robāt-e gharebil.

Extralimital distribution: Eastern Europe, Jordan, Afghanistan and Central Asia.

Tettigometra vitellina* Fieber, 1865Tettigometra vitellina* Fieber, 1865: 566; Barkhordari et al. (1981) [listed], Dlabola (1981), Mirzayans (1995), Mirzayans et al. (1976), Nast (1972) [listed].

Iran localities: Damāvand, Dasht-e arjan, Evin, Firuzkuh, Gazanak, Ghazvin, Kandovān (Māzandarān), Karaj, Māku, Marand, Robāt-e Tork, Saādatshahr, Tehrān.

Extralimital distribution: Yugoslavia, Transcaucasia, Northern parts of Western Asia, Afghanistan and Central Asia.

Family Tropiduchidae***Kazerunia leguaniforma* Dlabola, 1977***Kazerunia leguaniforma* Dlabola, 1977a: 164; Dlabola (1977a, 1981 [listed]).

Iran localities: Chābahār.

Kazerunia ochreata* Dlabola, 1974Kazerunia ochreata* Dlabola, 1974a: 41; Dlabola (1977a).

Iran localities: Fasā, Kāzerun.

Kazerunia undulata* Dlabola, 1977Kazerunia undulata* Dlabola, 1977a: 166

Iran localities: Ghasr-e Ghand, Sarbāz.

***Ommatissus lybicus* Bergevin, 1930**

Ommatissus binotatus Fieber, 1876; Afshar (1937), Gardenhire (1959) [listed], Farahbakhsh (1961), Gharib (1998), Dlabola (1994), Mirzayans (1995), Abaii (2000).

Ommatissus binotatus lybicus Bergevin 1930: 20; Gharib (1966), Behdad (1988, 1991).

Iran localities: Bāfgh Kahkom, Bam, Bandar Abbās, Geno, Isin, Jahrom, Jandagh, Khorramshahr, Khur va Biābānak, Mehrān, Shahdād, Tabas.

Comments: Asche and Wilson (1989) recognized the variety *lybicus* as a distinct species.

Extralimital distribution: Middle East (Asche and Wilson 1989), Saudi Arabia (Dlabola, 1979d), UAE (Wilson 2010b).

***Trypetimorpha fenestrata* Costa, 1862**

Trypetimorpha fenestrata Costa, 1862: 60; Dlabola (1981), Mirzayans (1995).

Specimens from Iran do not conform exactly to the male genitalia structure illustrated in Huang and Bourgoin (1993. Figs 40–47) but fall into the variation described for the species.

Iran localities: Dasht.

Extralimital distribution: Cyprus, Yugoslavia, Algeria, Israel, Italy (Huang and Bourgoin 1993), Kyrgyzia (Novikov et al. 2006).

Acknowledgements

Sincere thanks are due to Prof. Thierry Bourgoin (Museum National d'Histoire Naturelle, France, Paris), Prof. Alexandr Emeljanov & Dr Vladimir Gnezdilov (Russian Academy of Sciences, St Petersburg, Russia), Dr Manfred Asche & Prof Dr Hannelore Hoch (Humboldt Universitat, Berlin, Germany) and Dr Werner Holzinger (Austria) for assisting with various questions during the course of compiling this list. We also acknowledge the helpful review comments, which assisted the final version.

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List of the localities, their coordinates and the codes (Fig. 2)

- Ābādeh 31°09'N, 52°39'E (F2)
 Ābāsk 35°53'N, 52°10'E (M7)
 Ābyek 36°02'N, 50°31'E (Gz2)
 Ahram 28°53'N, 51°16'E (B4)
 Ahvāz 31°19'N, 48°40'E (Kh10)
 Akbarābād 29°14'N, 52°46'E (F11)
 Akhlamad 36°36'N, 58°57'E (KhR4)
 Albāji 31°29'N, 48°37'E (Kh8)
 Aliābād (Ghom) 35°08'N, 50°59'E (Gh2)
 Aliābād (Jahrom) 29°30'N, 52°35'E (F17)
 Ālmeh 37°23'N, 56°8'E (Gs4)
 Āmol 36°28'N, 52°21'E (M8)
 Anārak 26°44'N, 62°15'E (S16)
 Anbarābād 28°25'N, 57°50'E (Km10)
 Anbarieh 32°19'N, 48°08'E (Kh1)
 Andimeshk 32°27'N, 48°20'E (Kh1)
 Asadābād 34°47'N, 48°07'E (Hd2)
 Asālem 37°43'N, 48°54'E (G2)
 Āzādbar 36°07'N, 51°10'E (T2)

Bābol 36°34'N, 52°42'E (M9)
Bābolsar 36°41'N, 52°38'E (M9)
Bāfgh 31°35'N, 55°24'E (Y4)
Bāft 29°14'N, 56°36'E (Km7)
Bāghak 28°54'N, 51°07'E (B4)
Bāhukalāt 25°43'N, 61°25'E (S18)
Bājgāh 29°43'N, 52°35'E (F9)
Bam 29°06'N, 58°21'E (Km11)
Bampur 27°11'N, 60°27'E (S9)
Bandar Abbās 27°11'N, 56°16'E (H7)
Bandar Anzali 37°28'N, 49°27'E (G4)
Bandar Chārak 26°43'N, 54°16'E (H15)
Bandar Khamir 26°56'N, 55°35'E (H5)
Bandar Lengeh 26°33'N, 54°52'E (H3)
Bānuchārehar 28°30'N, 57°00'E (Km8)
Bārgāh 27°38'N, 57°42'E (Km12)
Bazmān 27°49'N, 60°11'E (S5)
Behshahr 36°41'N, 53°32'E (M11)
Bidhand 33°14'N, 50°18'E (E2)
Bidruyeh 32°46'N, 48°13'E (Kh1)
Bidzard 29°21'N, 51°51'E (F6)
Bilāi 26°30'N, 57°06'E (H12)
Birjand 32°53'N, 59°12'E (KhJ1)
Bishāpur 29°43'N, 51°24'E (F5)
Bojnurd 37°28'N, 57°19'E (KhSh2)
Borāzjān 29°16'N; 51°12'E (B3)
Chābahār 25°18'N, 60°37'E (S19)
Chāhkuh 26°37'N, 54°58'E (H2)
Chālus 36°39'N, 51°25'E (M3)
Chenārshāhijān 29°51'N, 51°34'E (F5)
Dālaki 29°25'N, 51°17'E (B2)
Damāvand 35°44'N, 52°03'E (T7)
Dārāb 28°45'N, 54°32'E (F18)
Dārābād 35°48'N; 51°26'E (T4)
Dārān 32°58'N, 50°24'E (E6)
Dārbahāre 30°26'N, 49°54'E (Kh14)
Darband 36°01'N, 51°28'E (T4)
Dareh gaz 27°51'N, 56°17'E (H7)
Darpahn 26°44'N, 57°28'E (H12)
Darzin 27°58'N, 55°58'E (H6)
Dasht 37°17'N, 56°07'E (Gs4)
Dasht-e arjan 29°39'N, 51°58'E (F8)
Dasht-e Moghān (A)

Dehbakri 29°03'N, 57°55'E (Km9)
Dehbid 30°38'N, 53°13'E (F10)
Dehpābid 28°37'N, 60°46'E (S4)
Delijān 33°59'N, 50°40'E (Mz1)
Denā mt (west slpe) 30°49'N, 51°35'E (KB1)
Divāndareh 35°55'N, 47°01'E (Kd1)
Doborji 28°27'N, 55°06'E (F18)
Dowlatabād 28°20'N, 56°38'E (Km8)
Esfahān 32°40'N, 51°40'E (E3)
Esfarāyen 37°05'N, 57°29'E (KhSh4)
Eskandari 32°48'N, 50°25'E (E7)
Eslāmābād 37°42'N, 56°5'E (Gs5)
Espakeh 26°47'N, 60°14'E (S8)
Estahbān 29°07'N, 54°02'E (F16)
Evin 35°40'N, 51°26'E (T4)
Eynvarzān 35°39'N, 52°12'E (T8)
Fāriāb 27°28'N, 57°06'E (H10)
Fasā 28°55'N, 53°38'E (F15)
Feizābād 36°52'N, 54°33'E (Gs1)
Ferdows-e Esfadamghe 28°44'N, 57°15'E (Km10)
Firuzābād 28°50'N, 52°34'E (F13)
Firuzkuh 35°45'N, 52°45'E (T9)
Galugāh 36°43'N, 53°48'E (M11)
Gambuyeh 31°23'N, 48°30'E (Kh7)
Ganāveh 29°34'N, 50°31'E (B1)
Gāvbandi 27°12'N, 53°03'E (H1)
Gāvkoshak 29°38'N, 51°48'E (F7)
Gāvkoshi 28°38'N, 57°12'E (Km10)
Gazanak 35°54'N, 52°12'E (M6)
Geno 27°24'N, 56°12'E (H6)
Ghaderābād 30°20'N, 53°21'E (F2)
Ghāemshahr 36°28'N, 52°53'E (M9)
Gharechaman 37°36'N, 47°08'E (Ash4)
Ghāsemābād 27°10'N, 60°20'E (S8)
Ghasr-e Ghand 26°12'N, 60°45'E (S13)
Ghazvin 36°16'N, 50°00'E (Gz1)
Ghezel-Bolāgh 39°22'N, 44°12'E (AG1)
Gholhak 35°46'N, 51°26'E (T4)
Ghom 34°38'N, 50°53'E (Gh1)
Ghom Lake (Gh1)
Ghotbābād 27°46'N, 56°06'E (H6)
Golbāf 29°51'N, 57°44'E (Km5)
Gorgān 36°50'N, 54°25'E (Gs2)

Hafttappēh 32°02'N, 48°23'E (Kh2)
Hājiābād 28°08'N, 55°52'E (H6)
Hājiābād 28°18'N, 55°54'E (F18)
Hamadān 34°47'N, 48°30'E (Hd1)
Hamidieh 31°28'N, 48°26'E (Kh6)
Hāresābād 36°07'N, 57°36'E (KhR2)
Hasanlangi 27°21'N, 56°52'E (H9)
Hashtpar 37°48'N, 48°54'E (G1)
Heirān 38°22'N, 48°34'E (A2)
Hessār 36°02'N, 59°20'E (KhR6)
Hezār mt (Peak) 29°31'N, 57°15'E (Km6)
Hichān 26°20'N, 60°03'E (S11)
Hoseinābād 28°51'N, 54°14'E (F18)
Irānshahr 27°12'N, 60°41'E (S9)
Isin 27°19'N, 56°17'E (H7)
Izadkhāst 31°30'N, 52°07'E (F1)
Izeh 31°49'N, 49°51'E (Kh4)
Jahānābād 29°42'N, 53°51'E (F14)
Jahrom 28°30'N, 53°33'E (F17)
Jandagh 34°03'N, 54°24'E (E4)
Jāsk 25°38'N, 57°46'E (H14)
Jiroft 28°40'N, 57°43'E (Km10)
Kāhe 35°06'N, 58°09'E (KhR8)
Kahkom 28°12'N, 55°46'E (Y3)
Kahnuij 27°33'N, 57°42'E (Km12)
Kahurak 29°26'N, 59°39'E (S3)
Kahurestān 27°12'N, 55°34'E (H4)
Kamālābd 29°17'N, 53°02'E (F12)
Kamandān 33°18'N, 49°27'E (L2)
Kāmyārān 34°47'N, 46°56'E (Kd3)
Kandovān (Āzarbāijān-e Sharghi) 37°54'N, 46°05'E (Ash2)
Kandovān (Māzandarān) 36°08'N, 51°17'E (M6)
Kangān 27°50'N, 52°04'E (B6)
Karaj 35°49'N, 50°58'E (T2)
Kāravāndar 27°57'N, 60°43'E (S4)
Kāshān, 33°59'N, 51°26'E (E1)
Kāzerun 29°36'N, 51°39'E (F6)
Kelārdasht 32°32'N, 50°20'E (M5)
Kermān 30°14'N, 56°58'E (Km3)
Kermānshāh (Yazd province) 31°20'N, 54°54'E (Y2)
Khalkānlu 37°05'N, 58°44'E (KhR1)
Khalkhāl 37°37'N, 48°31'E (A3)
Khānehkhoreh 30°51'N, 53°08'E (F2)

Khargh 36°57'N, 58°00'E (KhSh3)
Kharposht 32°49'N, 59°02'E (KhJ1)
Khātunābād 29°28'N, 57°48'E (Km9)
Khorramābād 36°45'N, 50°53'E (M2)
Khorramshahr 30°25'N, 48°11'E (Kh12)
Khosro- Shirin 30°53'N, 52°00'E (F2)
Khoy 38°21'N, 44°50'E (AG5)
Khur va Biābānak 33°46'N, 55°05'E (E5)
Komehr 30°26'N, 51°52'E (F3)
Konārdān 28°37'N, 53°20'E (F17)
Kuhenjān 29°19'N, 52°54'E (F11)
Kuhrang 32°32'N, 50°20'E (Ch3)
Kushk 30°31'N, 51°30'E (F4)
Lāhijān 37°12'N, 50°00'E (G5)
Lajrān 35°16'N, 52°08'E (T7)
Lalezār 29°31'N, 56°48'E (Km6)
Leshtar 32°02'N, 50°16'E (Ch1)
Māhān 30°05'N, 58°18'E (Km5)
Mahārlu 29°21'N, 52°49'E (F11)
Māku 39°17'N, 44°31'E (AG2)
Malārd 35°40'N, 50°58'E (T3)
Marāgheh 37°22'N, 46°14'E (Ash6)
Marand 38°25'N, 45°46'E (Ash1)
Marg-e-Malek 32°29'N, 50°29'E (Ch1)
Mashhad 36°17'N, 59°35'E (KhR5)
Mashhad-e Ardehāl 34°1'N, 51°2'E (E1)
Masiri 30°15'N, 51°30'E (F4)
Matnagh 37°50'N, 46°31'E (Ash2)
Mehran 33°06'N, 46°09'E (I1)
Meshkinshahr 38°23' 56N; 47°40' 55E (A1)
Miāneh 37°25'N, 47°42'E (Ash7)
Miānjangal 29°06'N, 53°42'E (F15)
Mijān 28°42'N, 57°56'E (Km10)
Mināb 27°08'N, 57°05'E (H11)
Minushahr 30°20'N, 48°13'E (Kh13)
Mohammadābād 28°57'N, 57°55'E (Km9)
Mollāsāni 31°35'N, 48°52'E (Kh9)
Mumān 25°35'N, 60°29'E (S19)
Nagsh-e Rostam 29°59'N, 52°54'E (F10)
Nāhārkhōrān 36°45'N, 54°27'E (Gs2)
Nehbandān 31°41'N, 60°02'E (KhJ2)
Nikshahr 26°13'N, 60°13'E (S12)
Nishābur 36°03'N, 59°06'E (KhR3)

Nosratābad 29°03'N, 57°56'E (Km8)
Nowshahr 36°38'N, 51°30'E (M4)
Nugh 34°17'N, 58°09'E (KhR8)
Nurābād 30°06'N, 51°31'E (F4)
Orumieh 37°33'N, 45°4'E (AG4)
Orumieh lake (AG)
Pākuh 27°55'N, 61°30'E (S6)
Parehsar 37°37'N, 49°02'E (G3)
Paskuh 27°33'N, 61°38'E (S6)
Pishin 26°04'N, 61°25'E (S17)
Pol-e Tang 32°51'N, 48°02'E (L1)
Posht- e kuh 29°25'N, 56°50'E (Km6)
Rafsanjān 30°24'N, 55°58'E (Km1)
Rāmiān 37°01'N, 55°08'E (Gs1)
Rāsk 26°14'N, 61°23'E (S15)
Rek 32°15'N, 59°7'E (KhJ1)
Rezvāndeh 37°33'N, 49°09'E (G3)
Robāt-e gharebil 37°21'N, 56°16'E (KhSh1)
Robāt-e Tork 33°44'N, 50°50'E (Mz2)
Rostamābād 36°54'N, 49°27'E (G7)
Rudān 27°32'N, 57°25'E (H10)
Rudbār 36°48'N, 49°23'E (G7)
Rudbārak 36°04'N, 52°32'E (M5)
Rudehen 35°44'N, 51°51'E (T6)
Saādatshahr 30°06'N, 53°07'E (F10)
Sabzevār 36°12'N, 57°40'E (KhR2)
Sanandaj 35°19'N, 46°59'E (Kd2)
Sangān 28°35'N, 61°19'E (S4)
Sangrud 36°40'N, 49°38'E (G7)
Sarāvān 27°08'N, 62°14'E (S7)
Sarbāz 26°39'N, 61°14'E (S14)
Sāri 36°33'N, 53°02'E (M9)
Sarvestān 29°16'N, 53°12'E (F12)
Sekand 26°43'N, 61°31'E (S14)
Semirom 31°24'N, 51°34'E (E8)
Sendarak 26°50'N, 57°25'E (H12)
Sepidān 29°58'N, 52°23'E (F3)
Shabestar 38°10'N, 45°41'E (Ash3)
Shādegān 30°39'N, 48°40'E (Kh11)
Shahdād 30°25'N, 57°42'E (Km4)
Shāhkuh-e Pāiin 36°34'N, 54°26'E (Gs3)
Shahr-e Kord 32°19'N, 50°51'E (Ch2)
Shāhrud 36°25'N, 55°01'E (Sm1)

Shemirān 35°49'N, 51°24'E (T4)
Shieh 35°05'N, 50°10'E (G6)
Shirāz 29°37'N, 52°31'E (F9)
Shul 30°02'N, 52°09'E (F9)
Shurlukh 36°20'N, 60°35'E (KhR7)
Shusf 32°00'N, 59°53'E (KhJ2)
Shush 32°11'N, 48°14'E (Kh2)
Shushtar 32°02'N, 48°51'E (Kh3)
Silvāneh 37°25'N, 44°51'E (AG3)
Sirik 26°30'N, 57°06'E (H13)
Sirjān 29°26'N, 55°40'E (Km2)
Sisakht 30°47'N, 51°33'E (KB1)
Sufiān 38°16'N, 45°58'E (Ash3)
Susangerd 31°33'N, 48°11'E (Kh5)
Suza 26°46'N, 56°03'E (H8)
Tabas 33°35'N, 56°54'E (Y1)
Tabriz 38°05'N, 46°17'E (Ash2)
Taftān 28°36'N, 61°07'E (S4)
Tākestān 36°03'N, 49°42'E (Gz2)
Tamandān 28°36'N, 61°04'E (S4)
Tang-e Sorkheh 26°29'N, 60°02'E (S11)
Tāzekand 38°16'N, 47°14'E (Ash5)
Tehrān 35°41'N, 51°24'E (T4)
Temin 28°40'N, 61°08'E (S4)
Tis 25°21'N, 60°37'E (S19)
Tochāl Mountain 35°53'N, 51°26'E (T4)
Tonekābon 36°49'N, 50°52'E (M1)
Varāmin 35°19'N, 51°39'E (T5)
Veresk 35°56'N, 52°58'E (M12)
Yāichi 37°35'N, 46°11'E (Ash2)
Yāsuj 30°39'N, 51°35'E (KB2)
Yazd 31°54'N, 54°20'E (Y2)
Zābol 31°02'N, 61°29'E (S1)
Zāboli 27°07'N, 61°40'E (S10)
Zāhedān 29°29'N, 60°51'E (S2)
Zanjān 36°40'N, 48°28'E (Z1)
Zarghān 29°46'N, 52°43'E (F10)
Zeidān 27°58'N, 51°31'E (B5)
Ziārān 36°06'N, 50°31'E (T1)
Ziārat 27°41'N, 57°05'E (H11)
Zirāb 36°10'N, 52°59'E (M10)
Zoshk 36°20'N, 59°10'E (KhR4)